

Fig. 1A

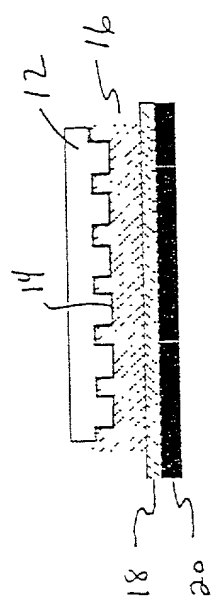


Fig. 1B

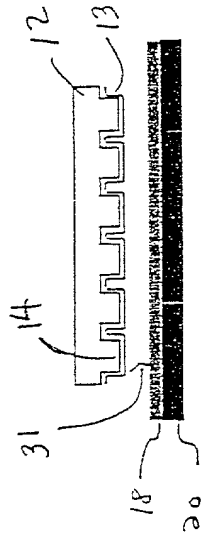


Fig. 2A



Fig. 2B

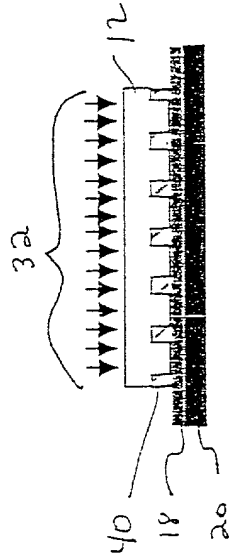


Fig. 2C



Fig. 2D

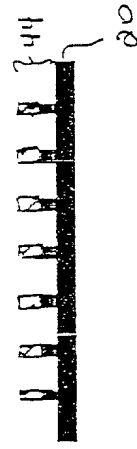


Fig. 2E

30

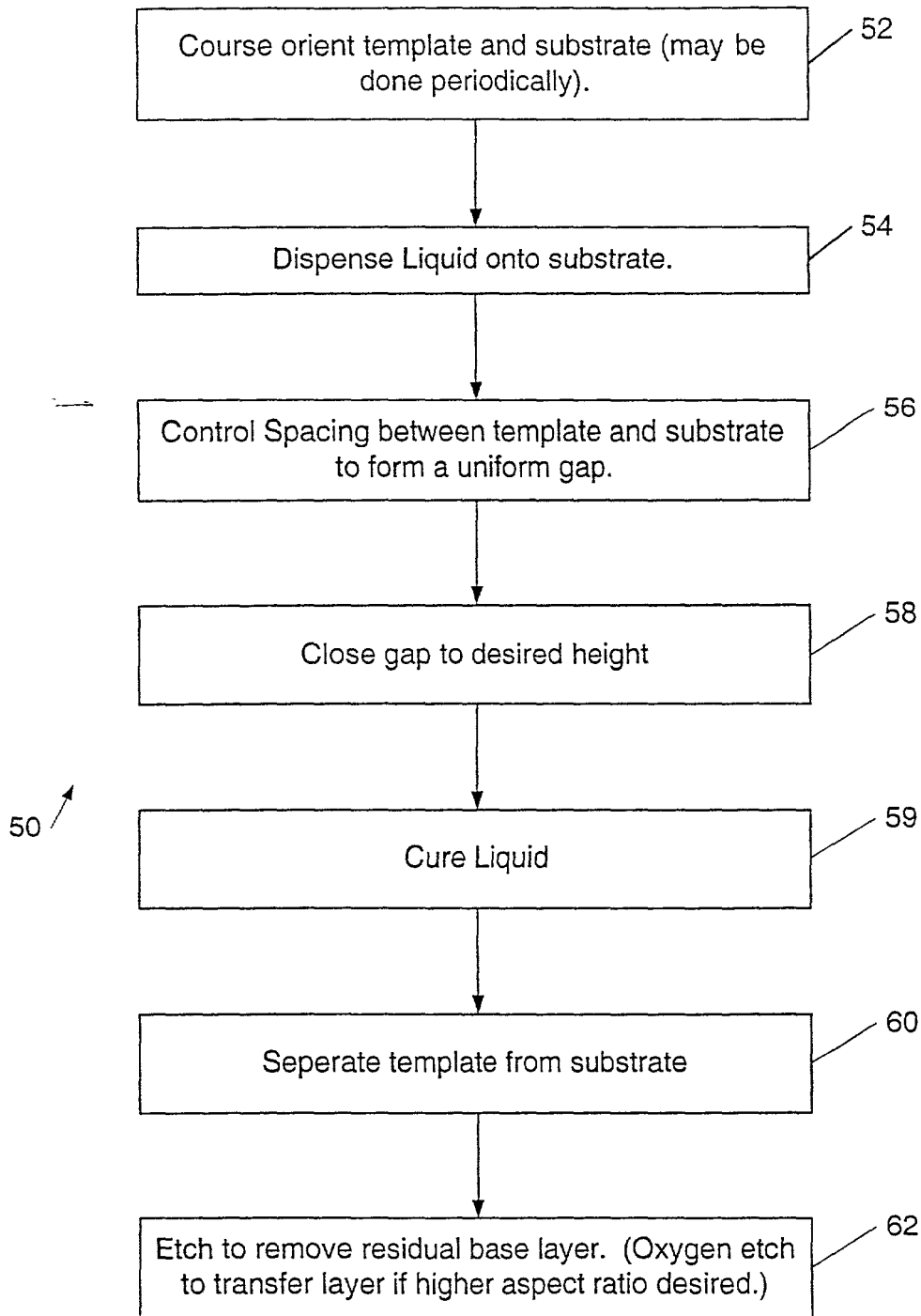


Fig. 3

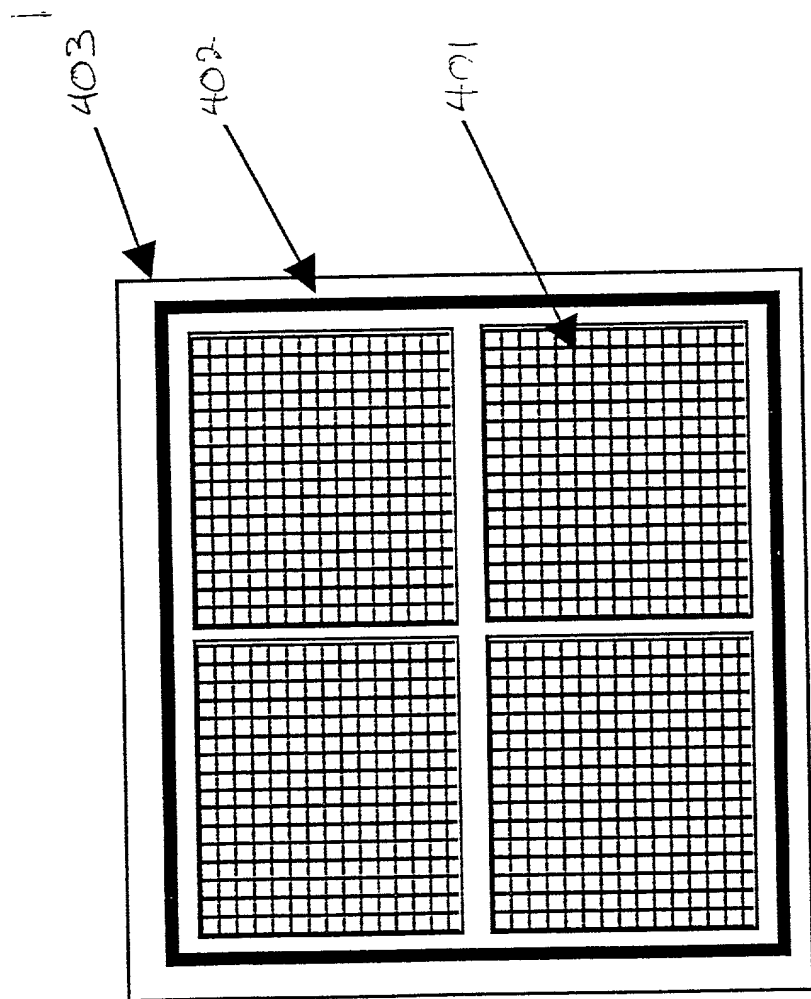


Fig. 4

1

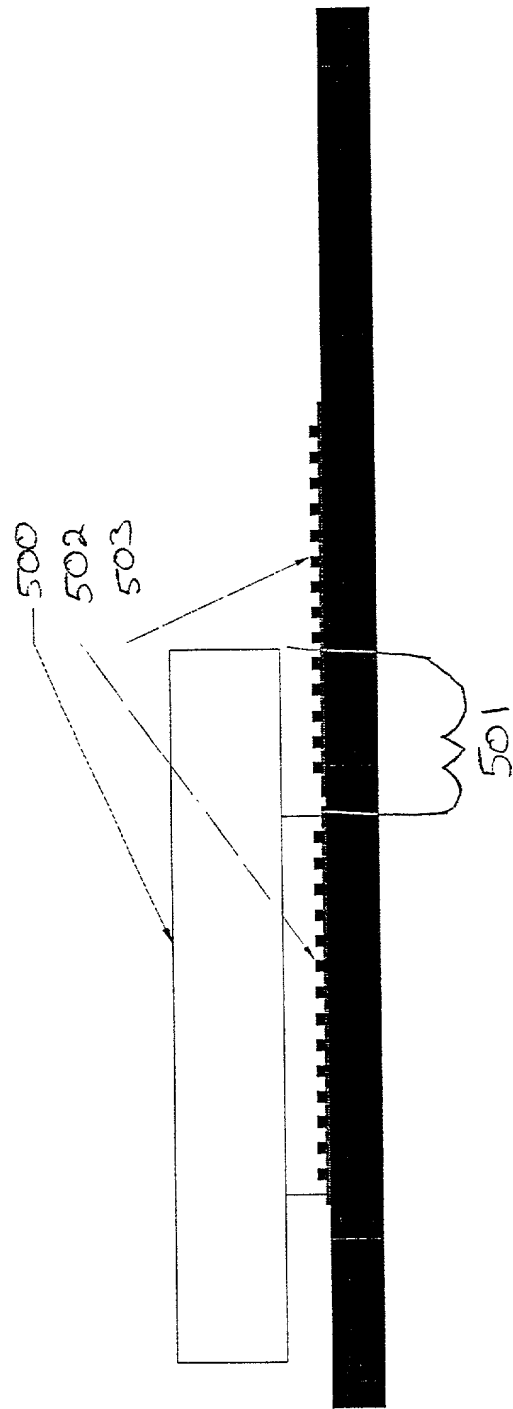


Fig. 5

FIG. 6

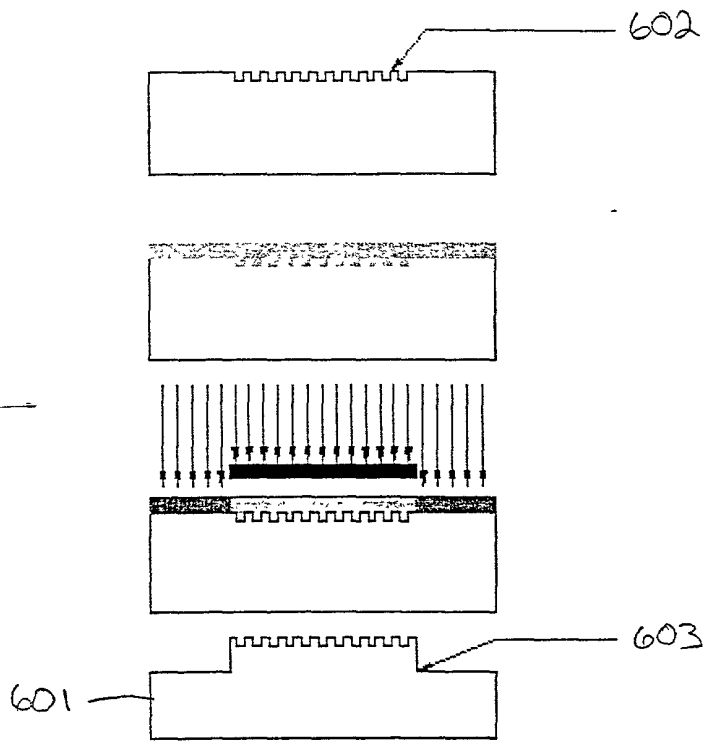


Fig. 6

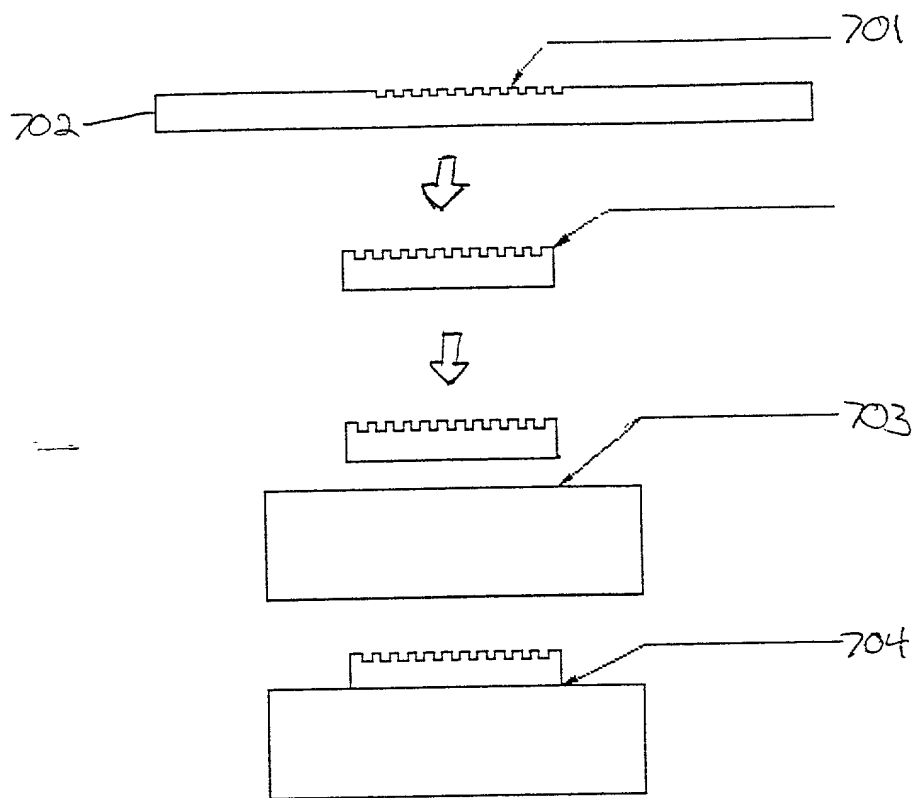


Fig. 7

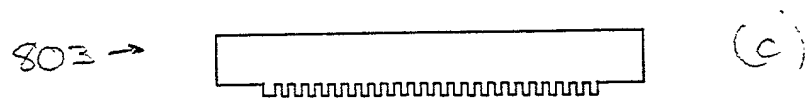
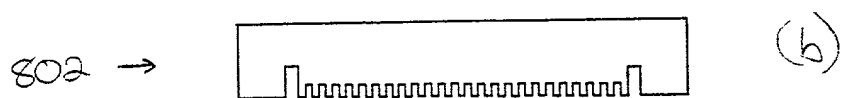
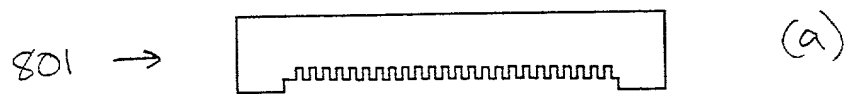


Fig. 8

FOI b7D, b7E, b7C

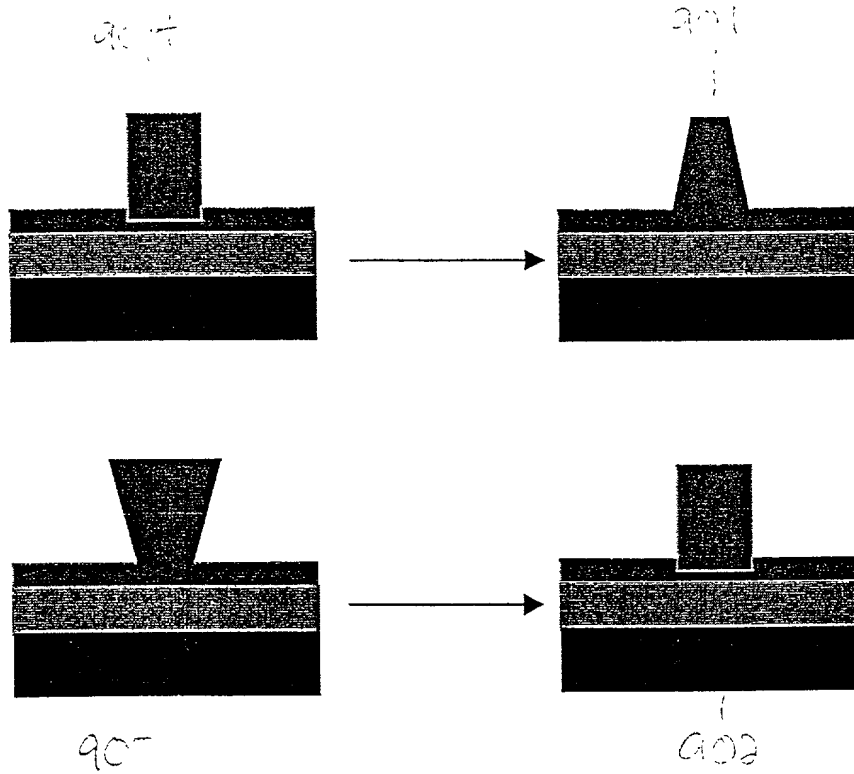


Fig. 9

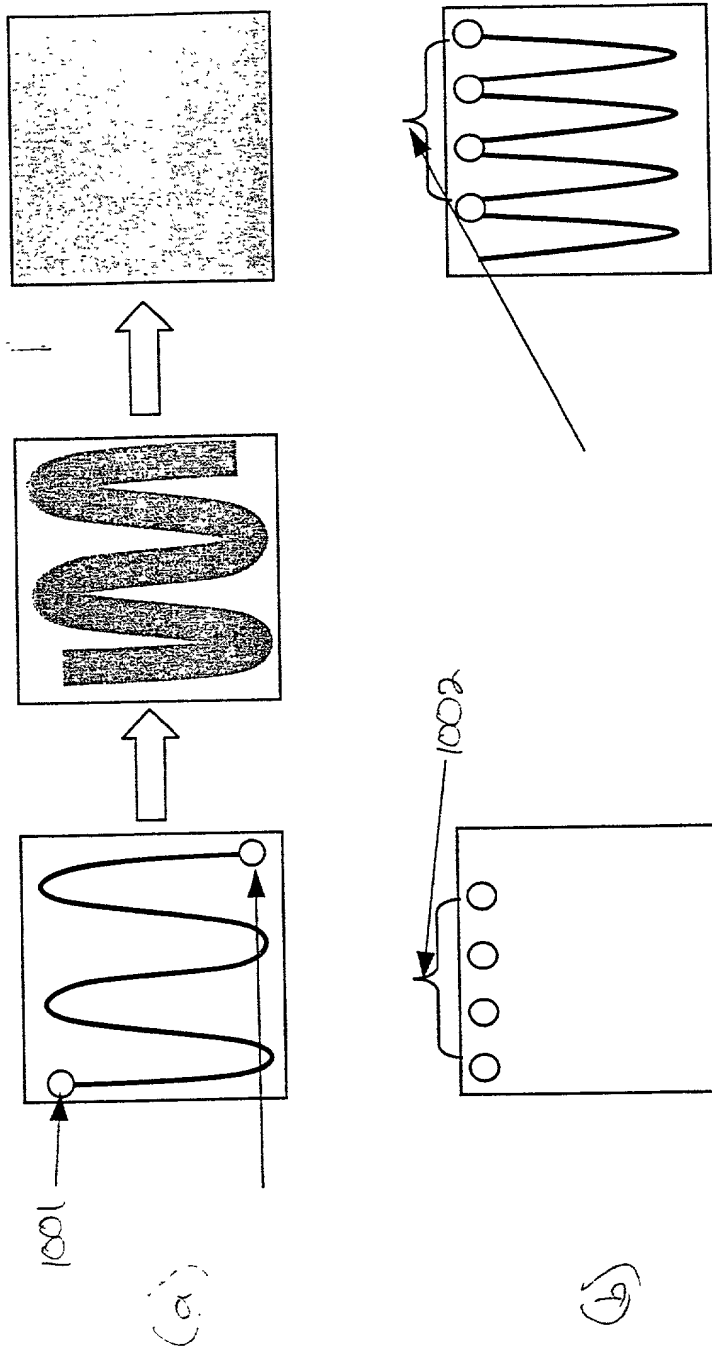


Fig. 10

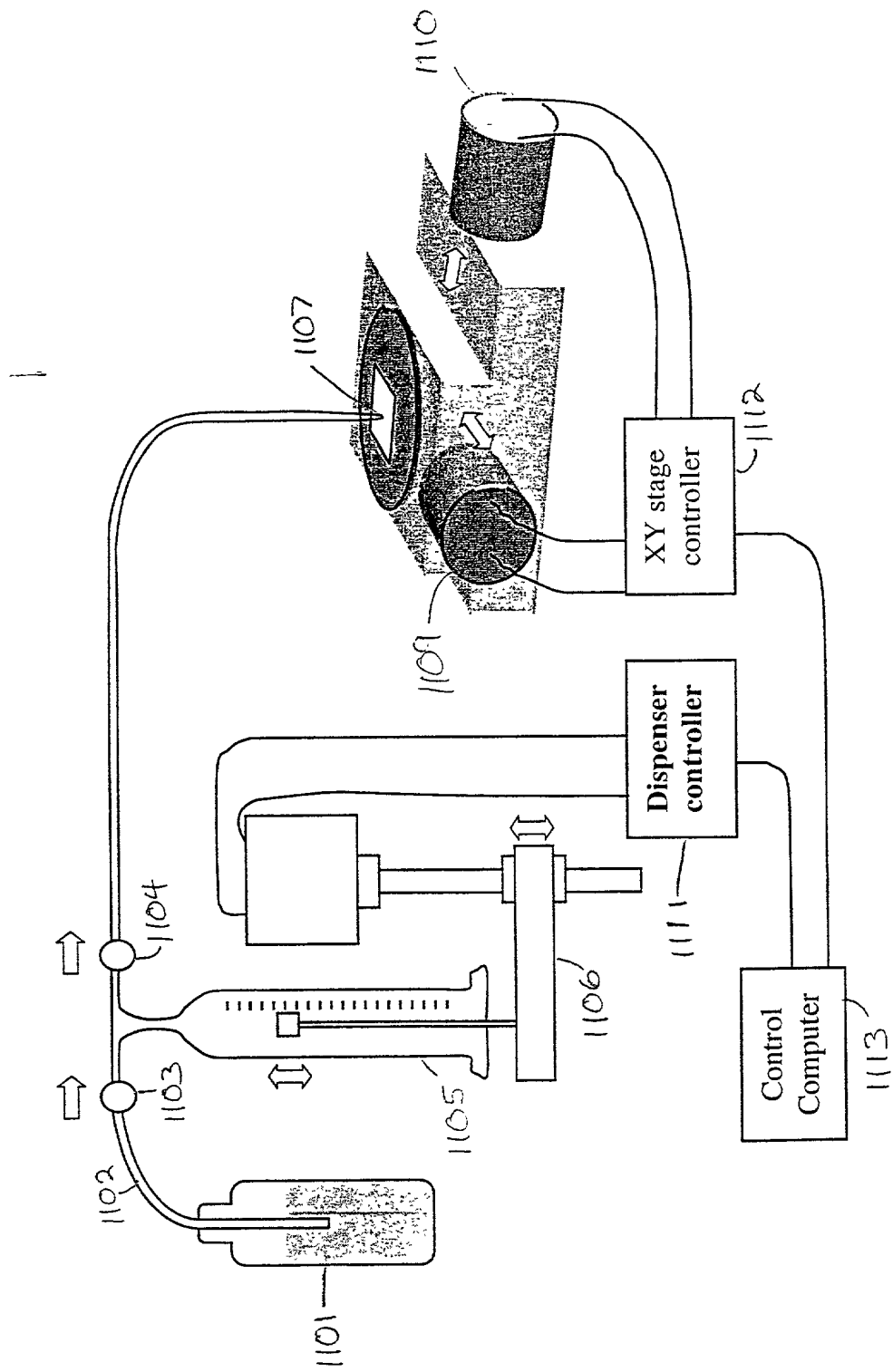


Fig. 11

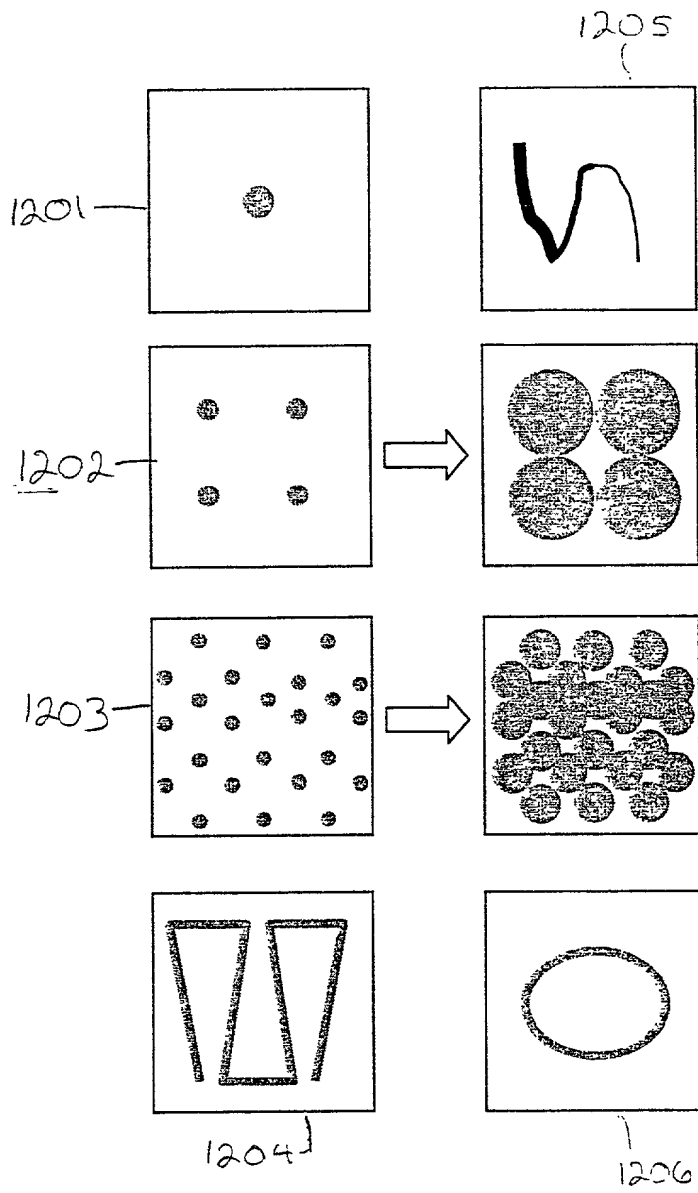


Fig. 12

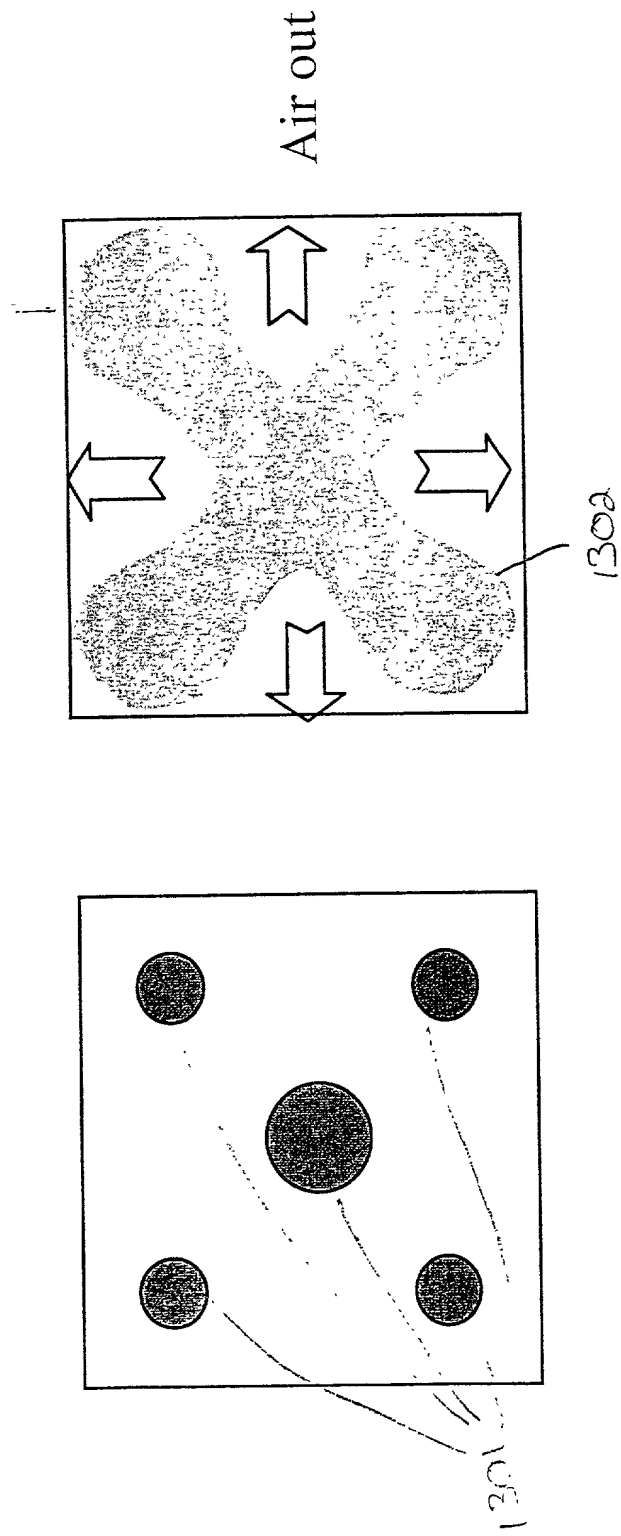


Fig. 13

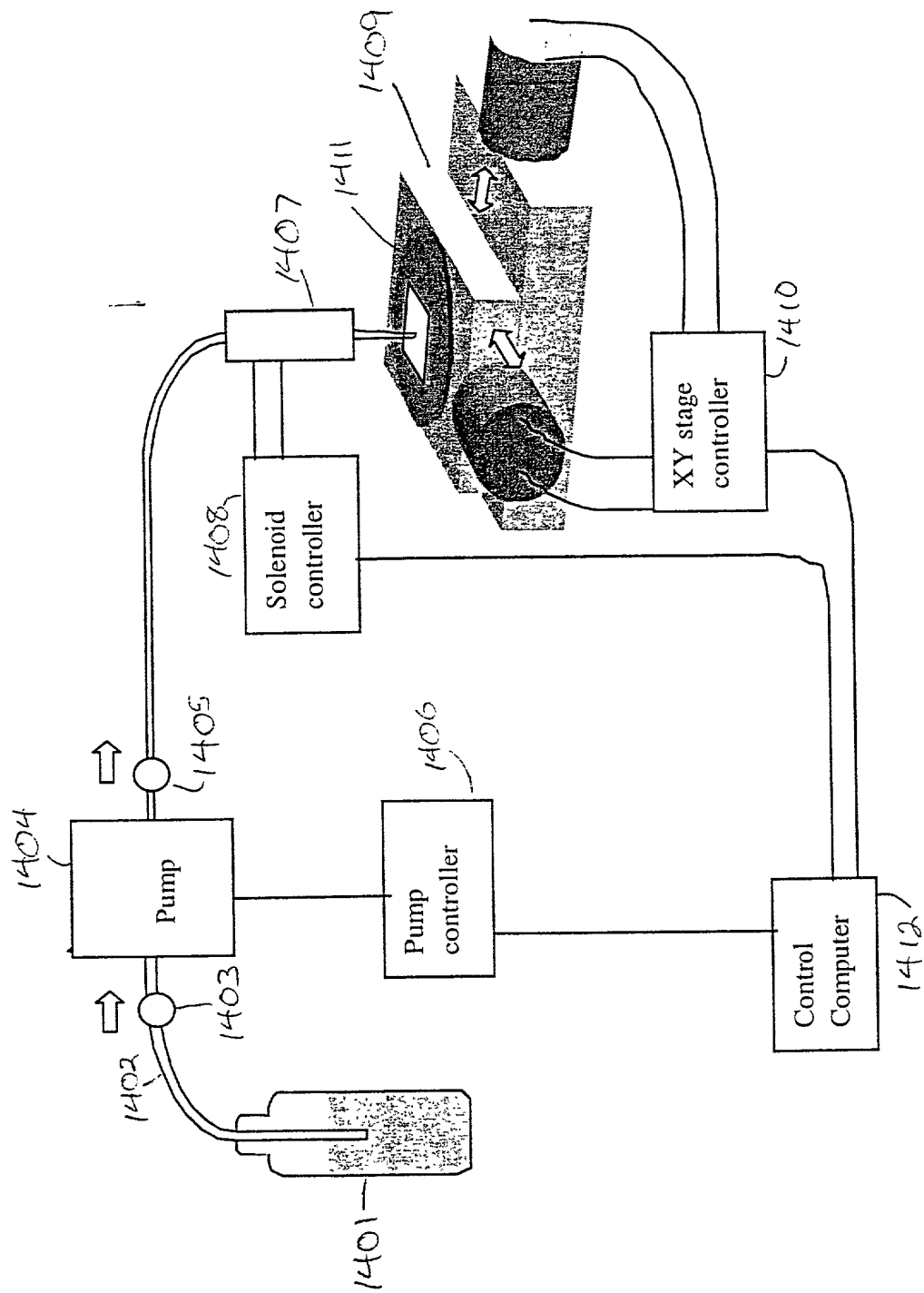


Fig. 14

TOP SECRET 09920344.080101

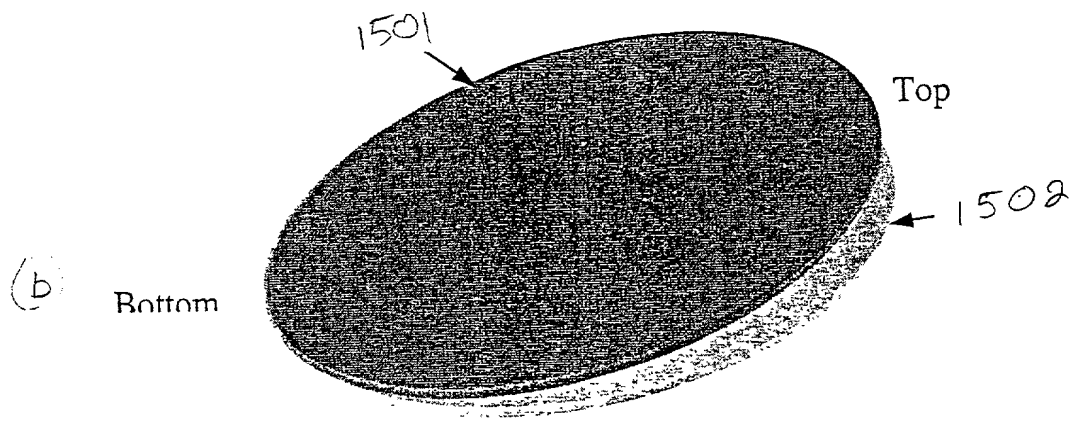
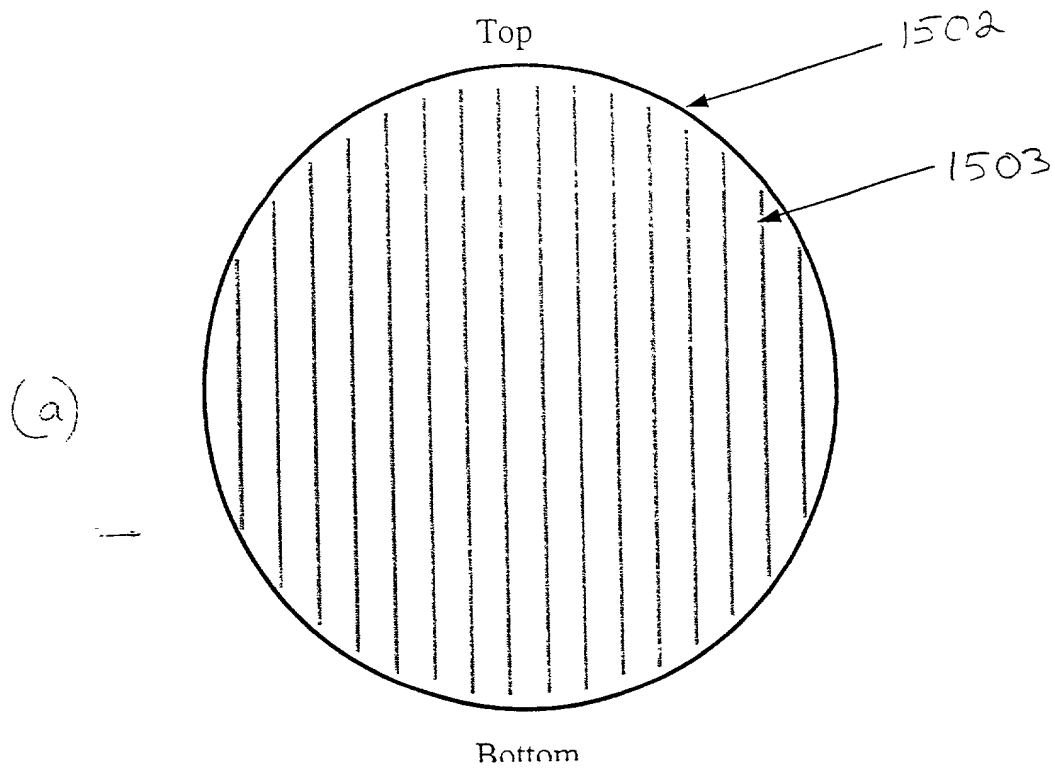


Fig. 15

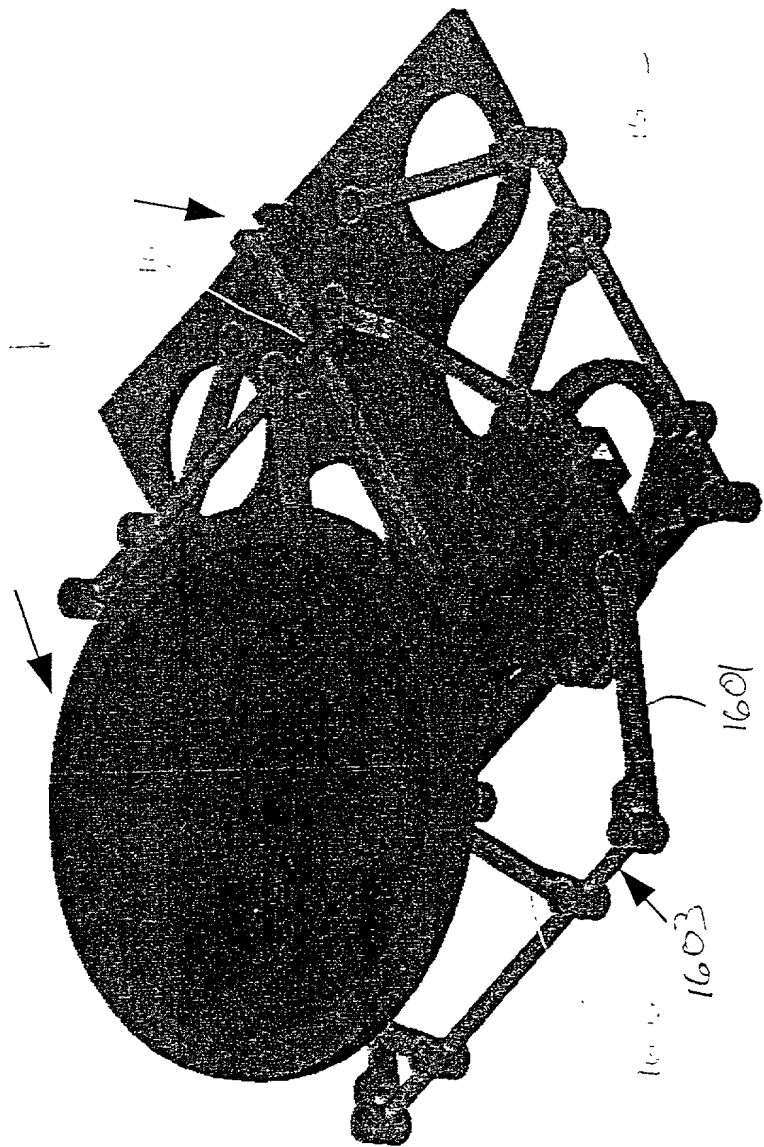


Fig. 16

FIG. 17

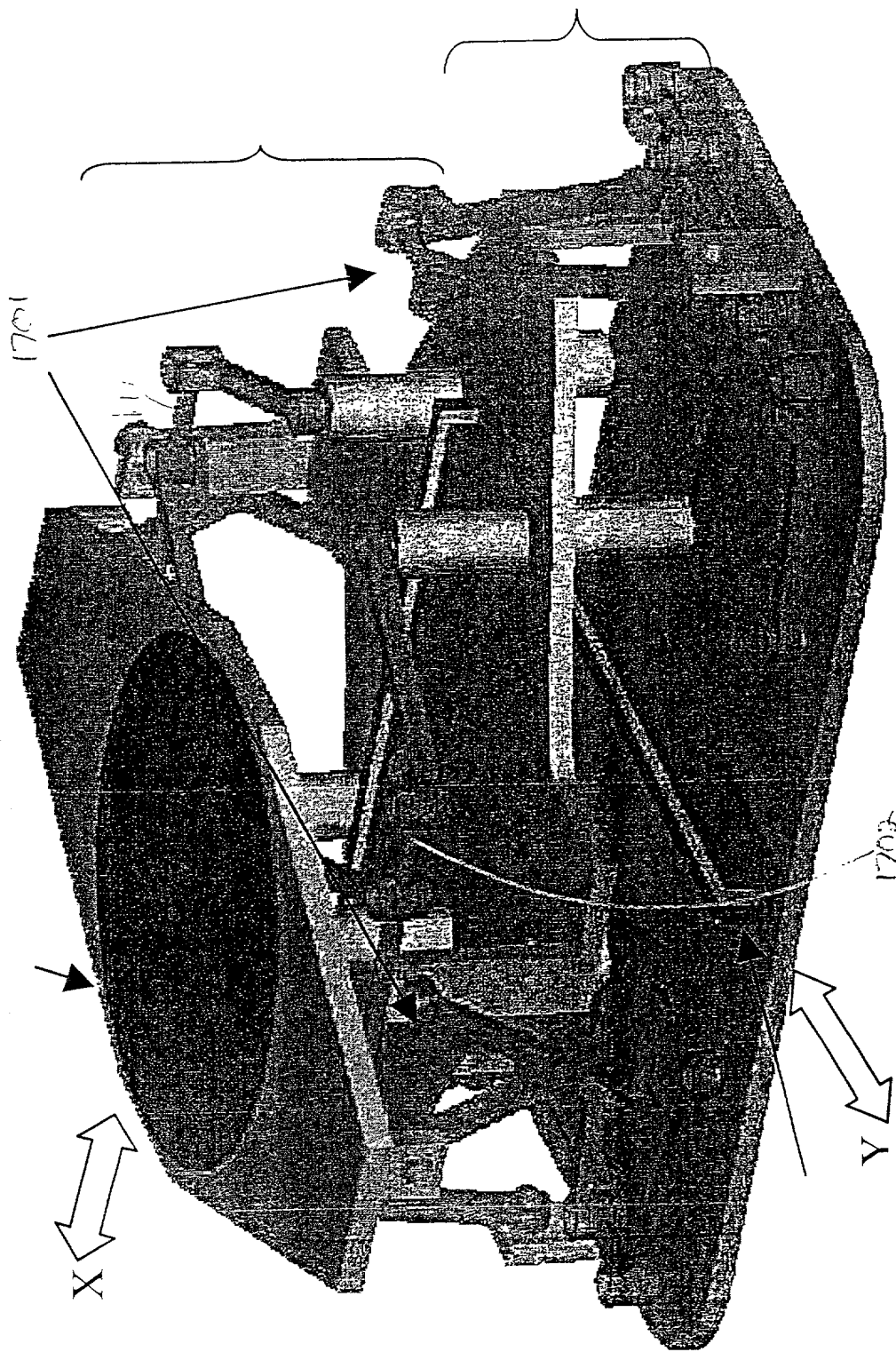


Fig. 17

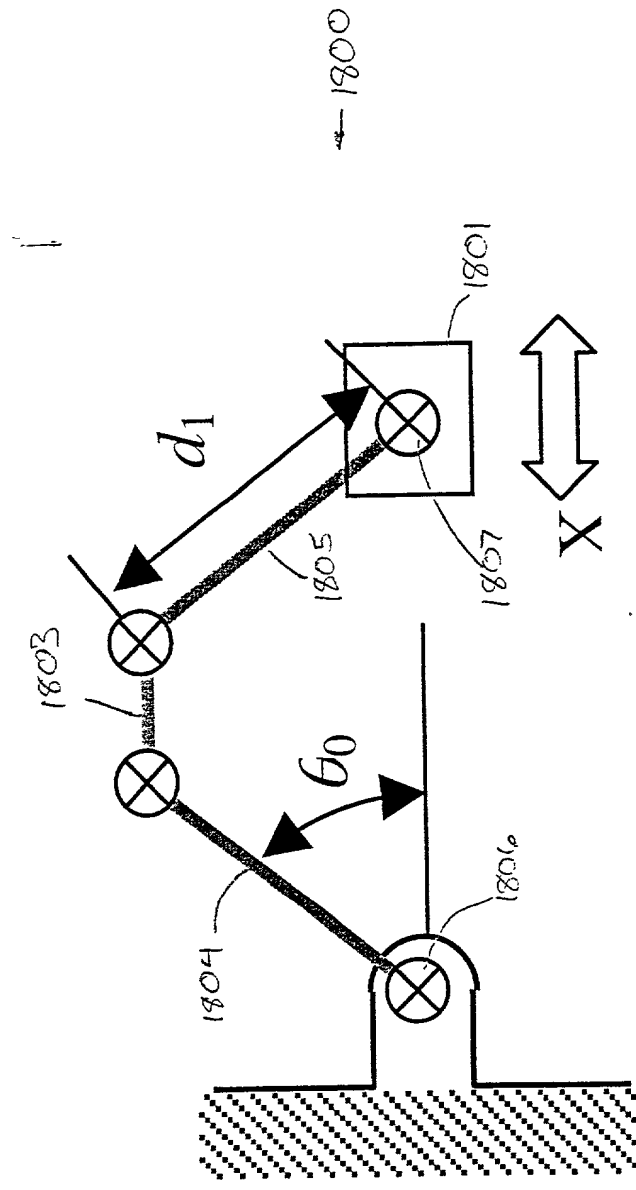


Fig. 18

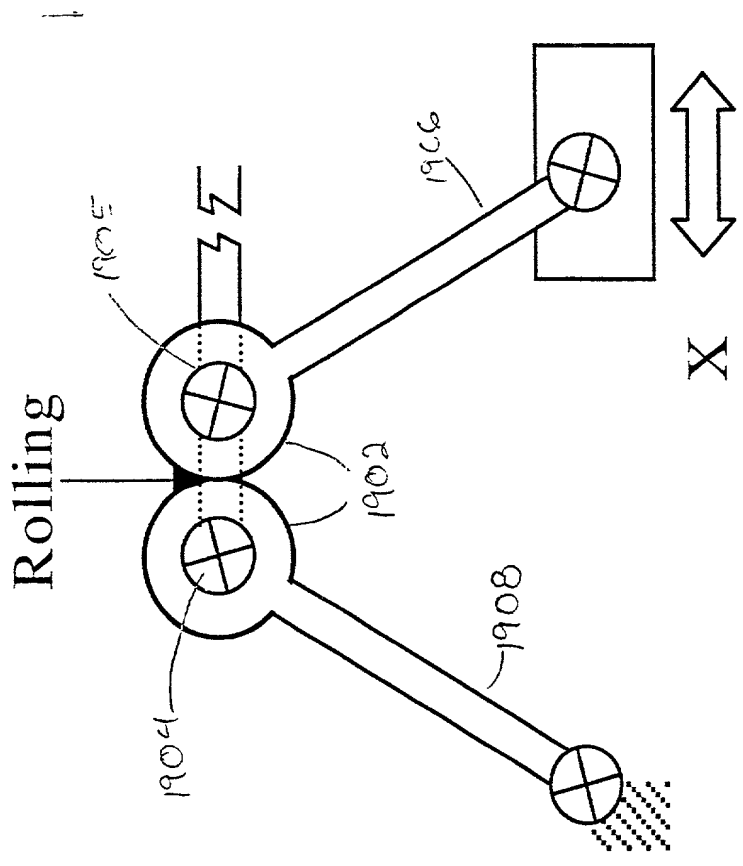


Fig. 19

TOP SECRET

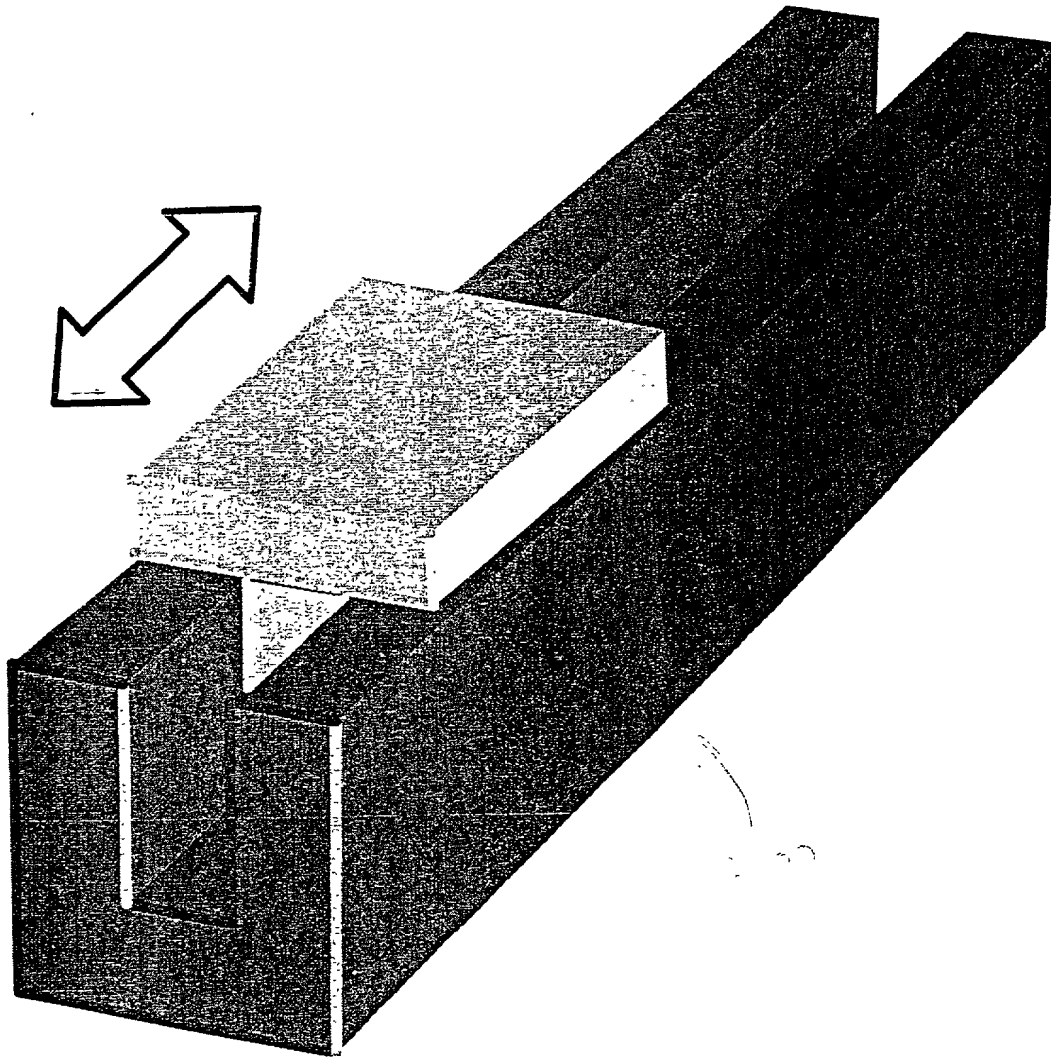


Fig. 20

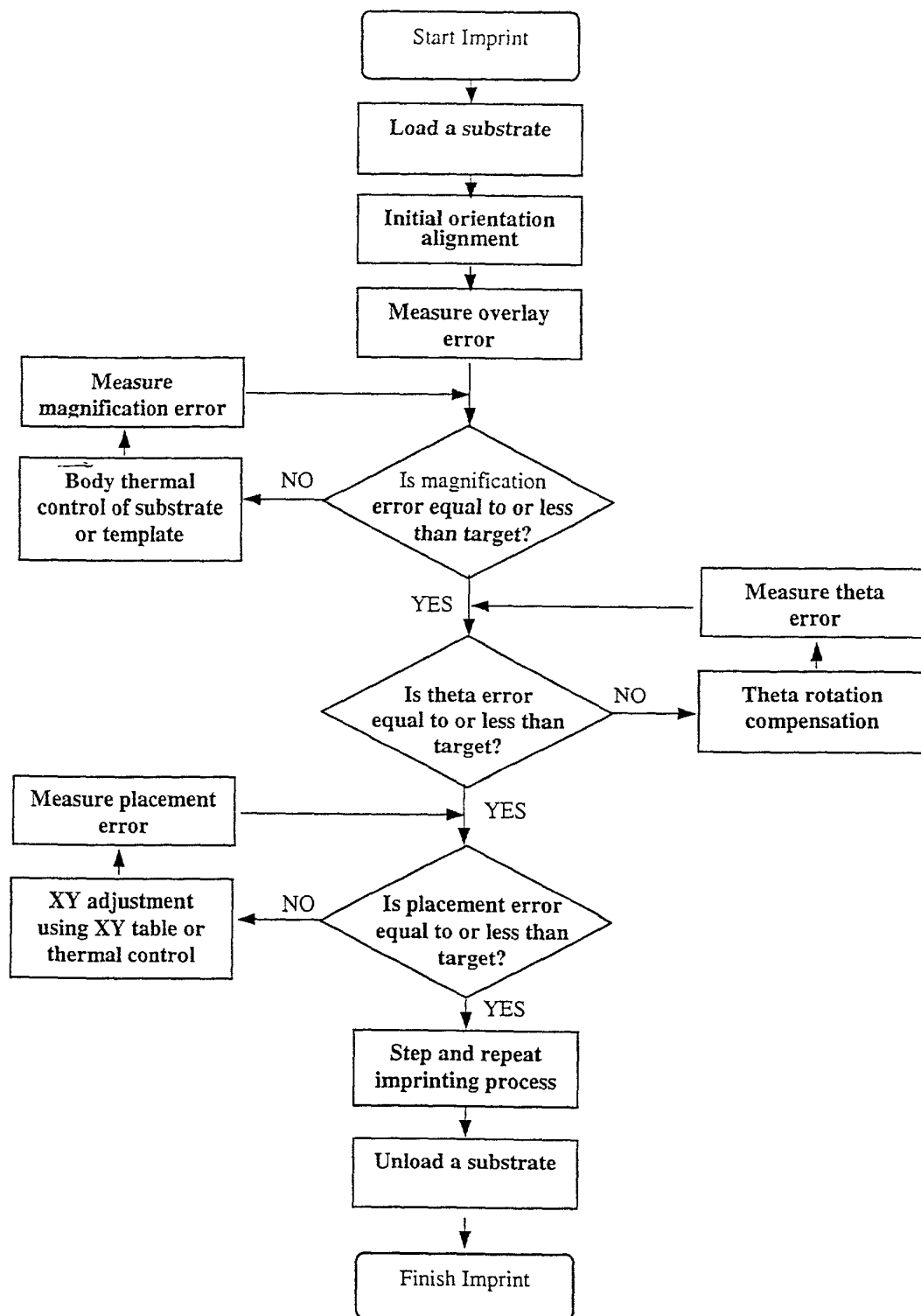


Fig. 21

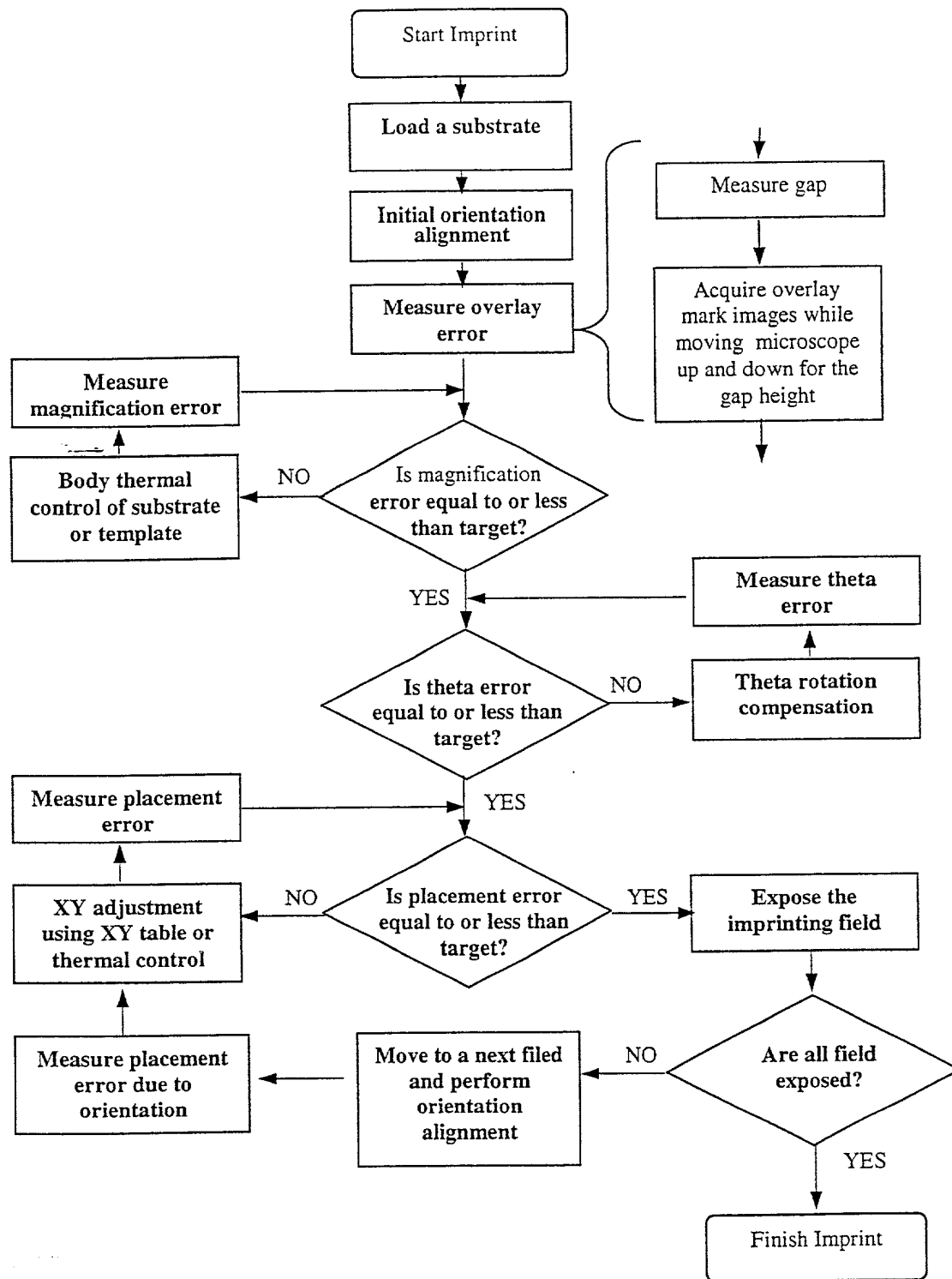


Fig. 22

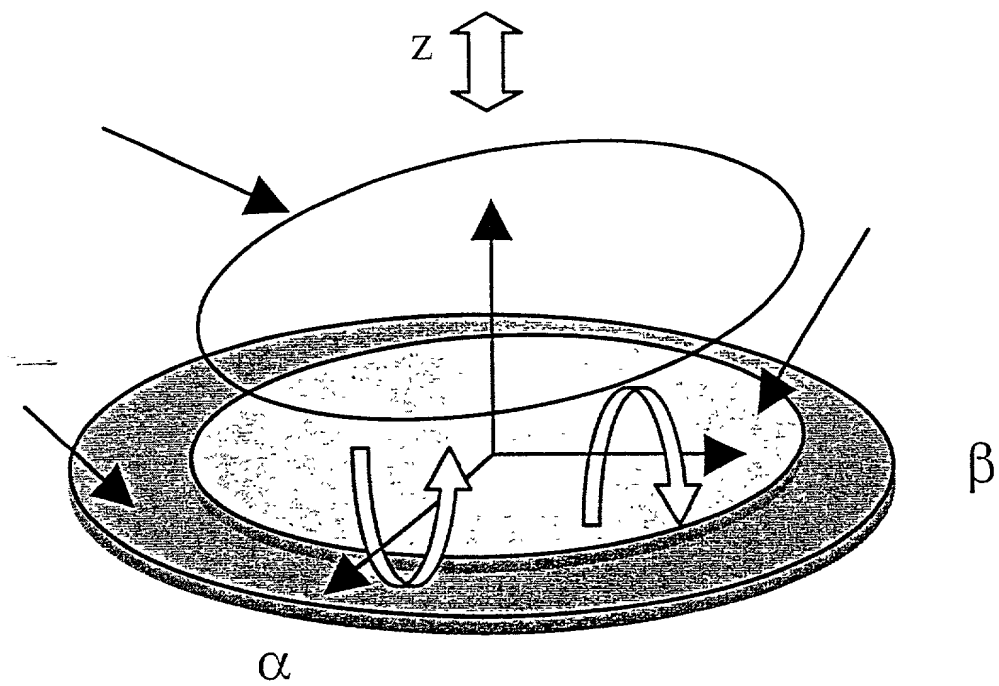


Fig. 23

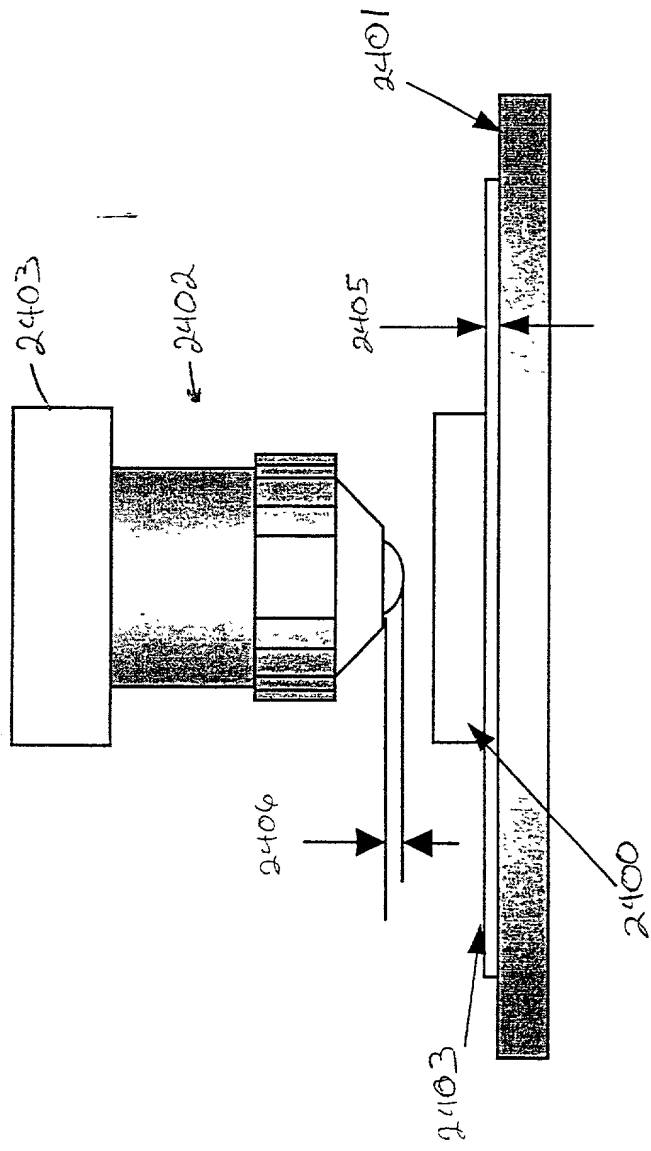


Fig. 24

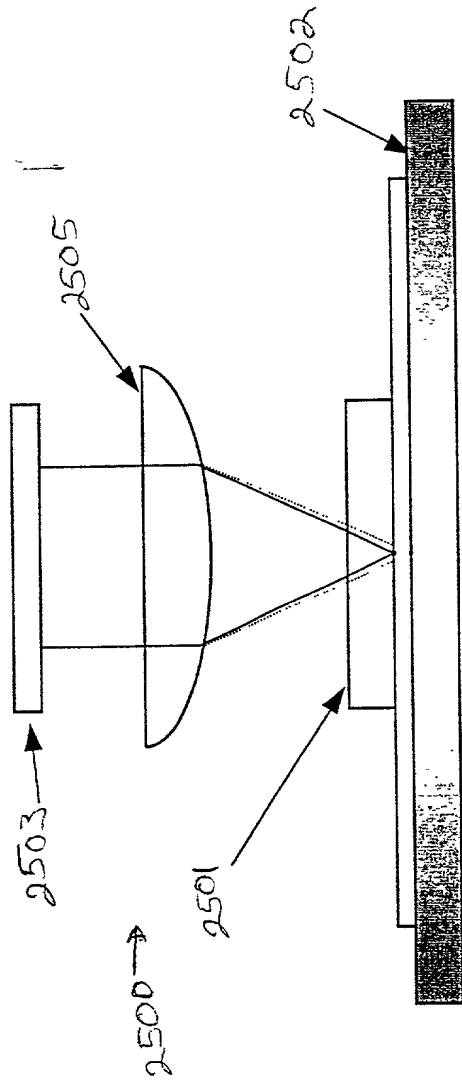


Fig. 25

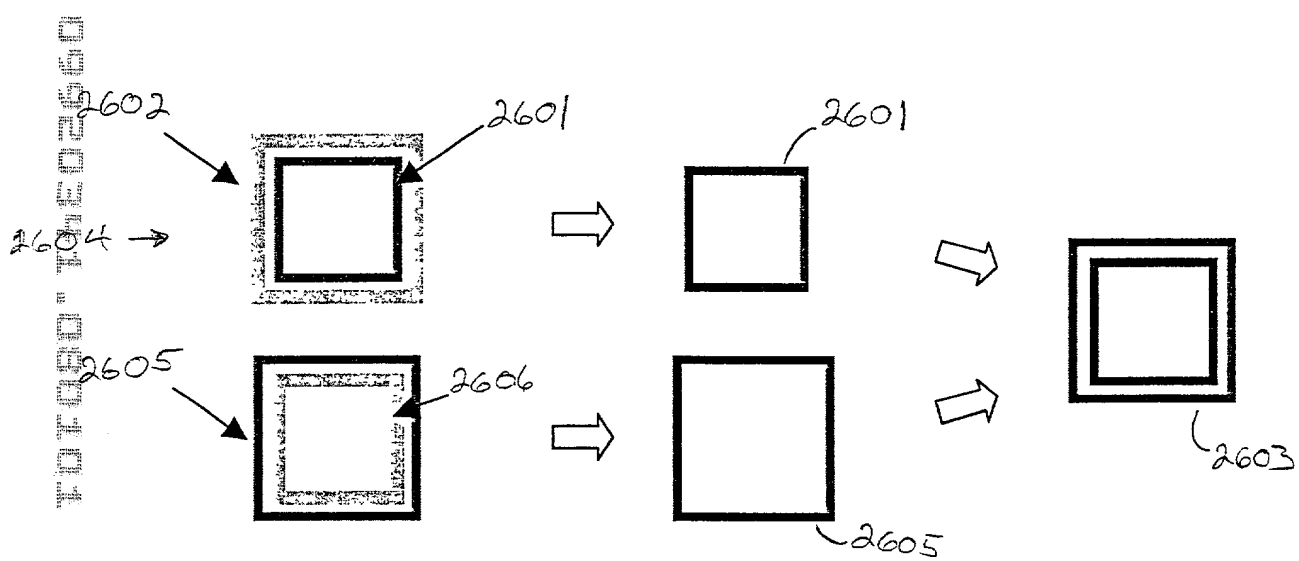


Fig. 26

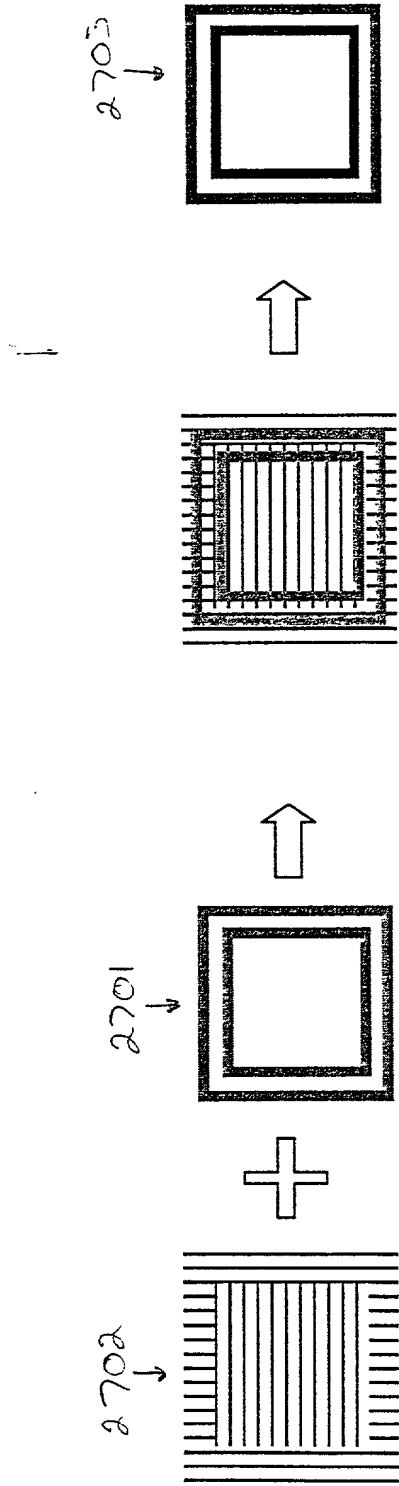


Fig. 27

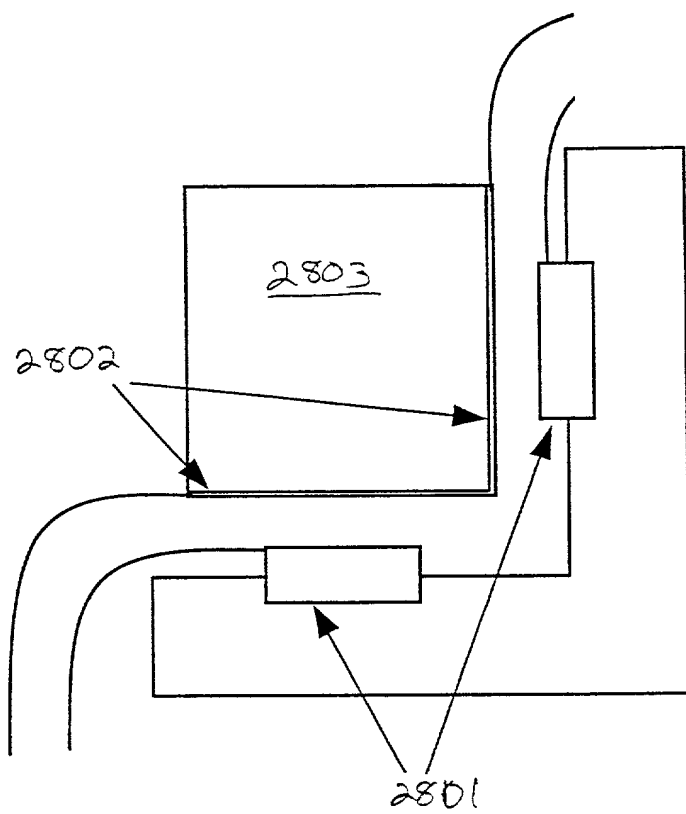


Fig. 28

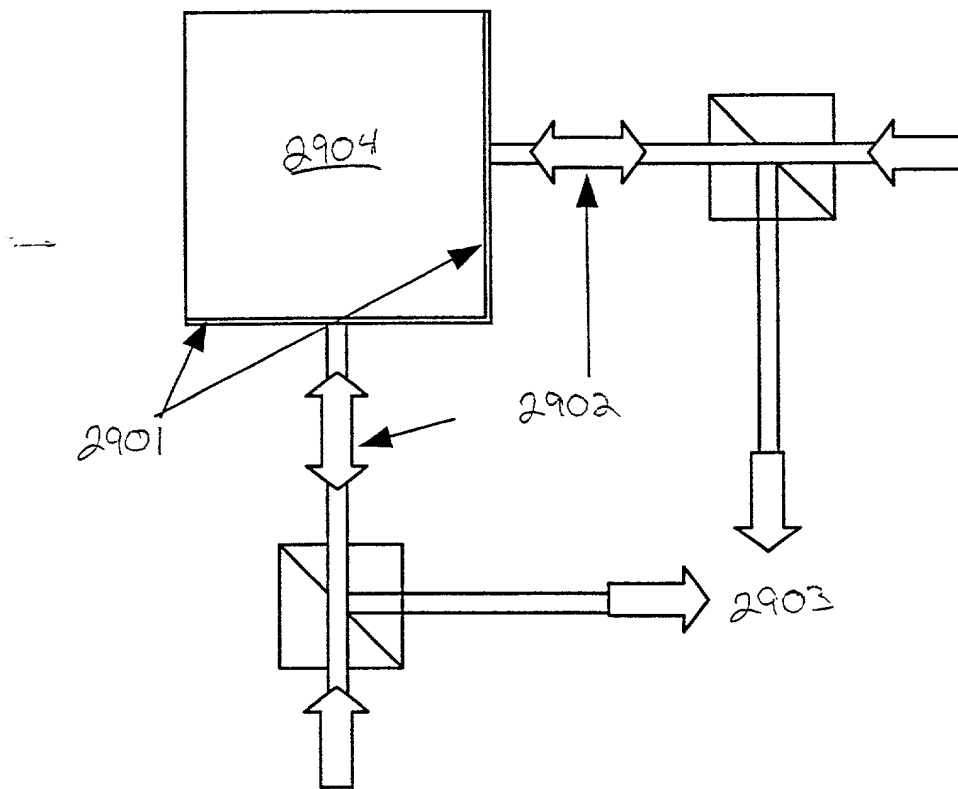


Fig. 29

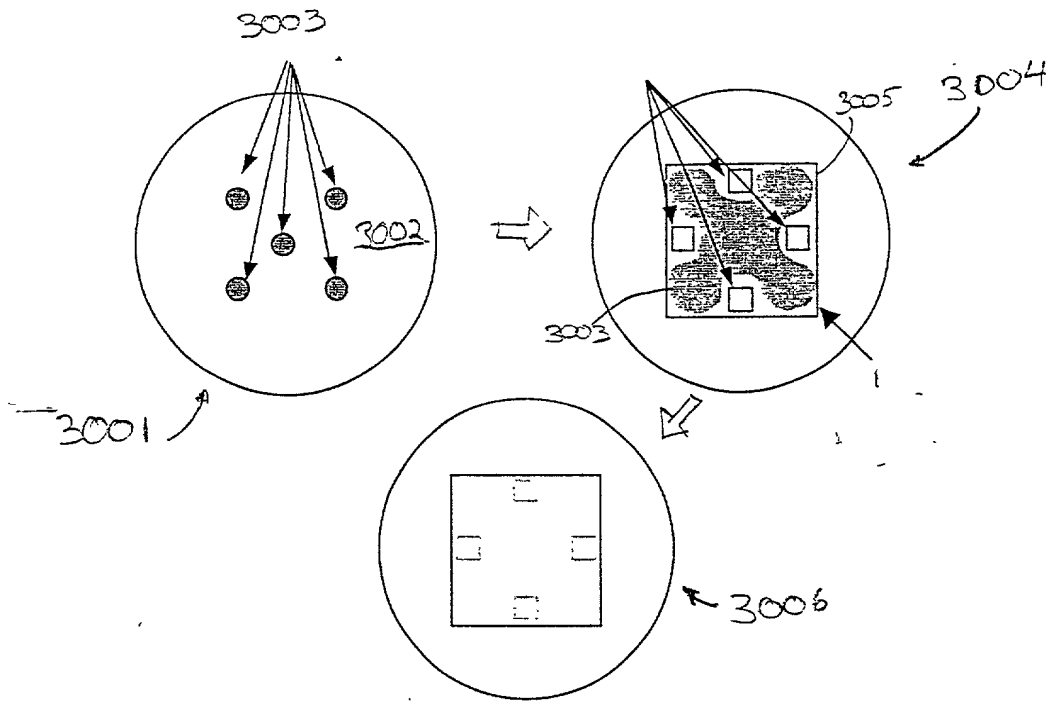


Fig. 30

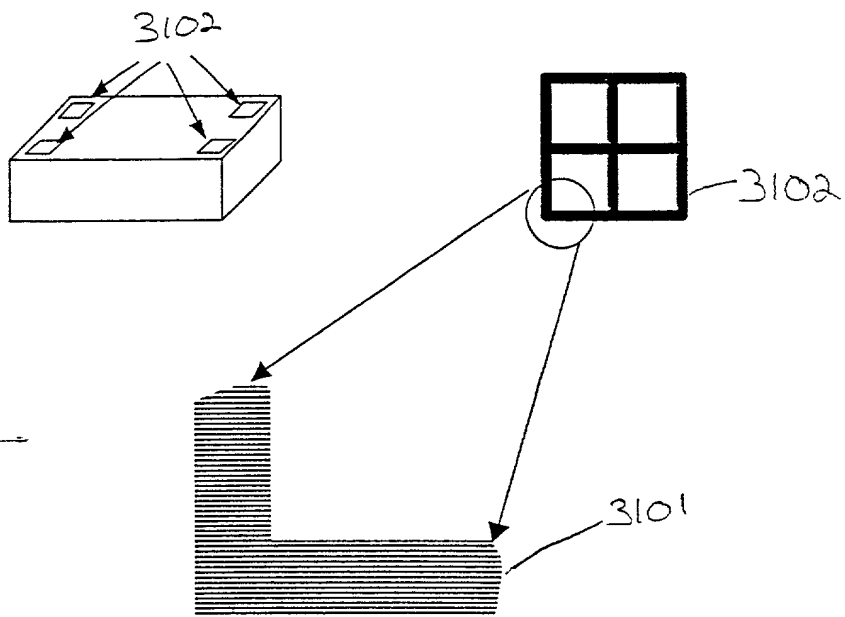


Fig. 31

100

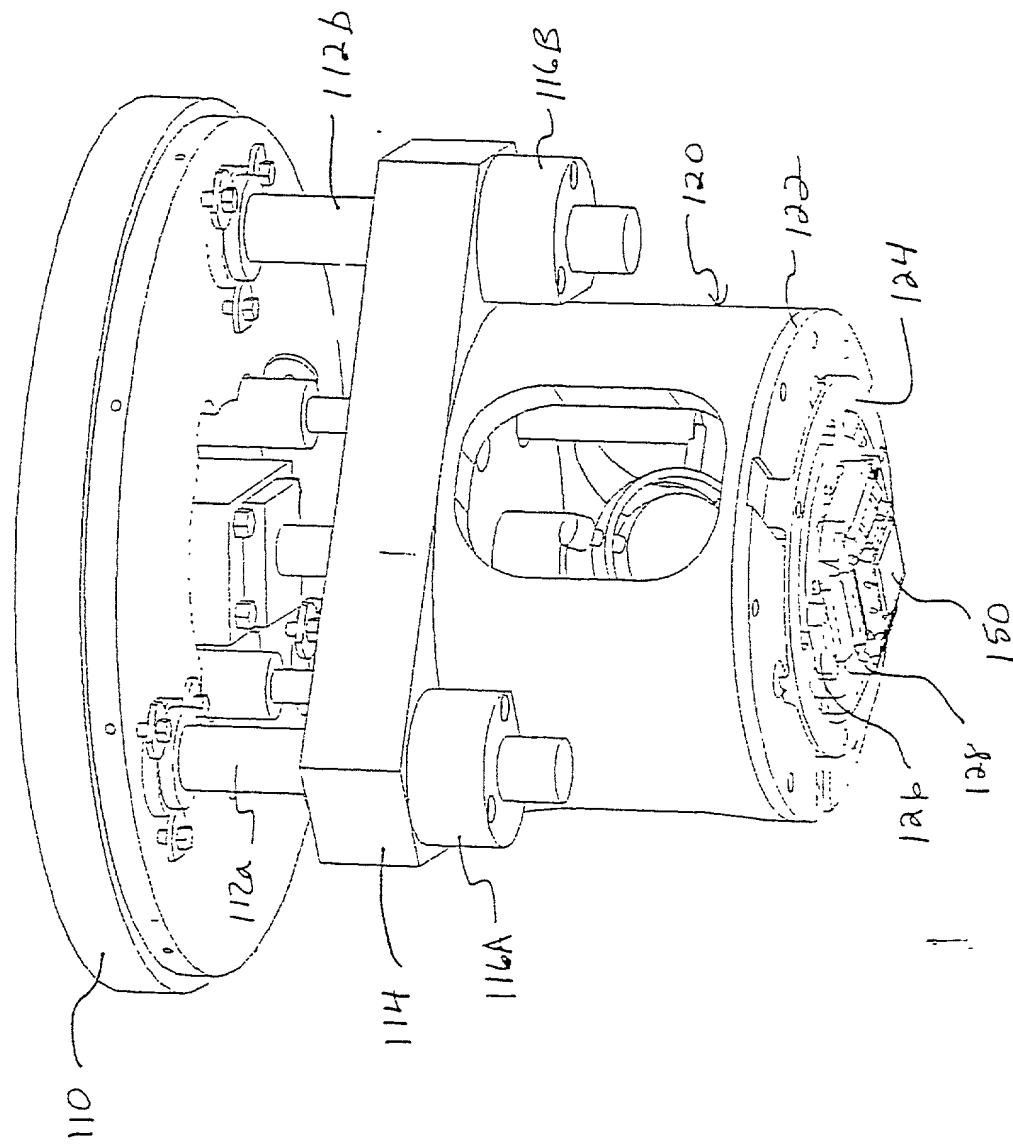
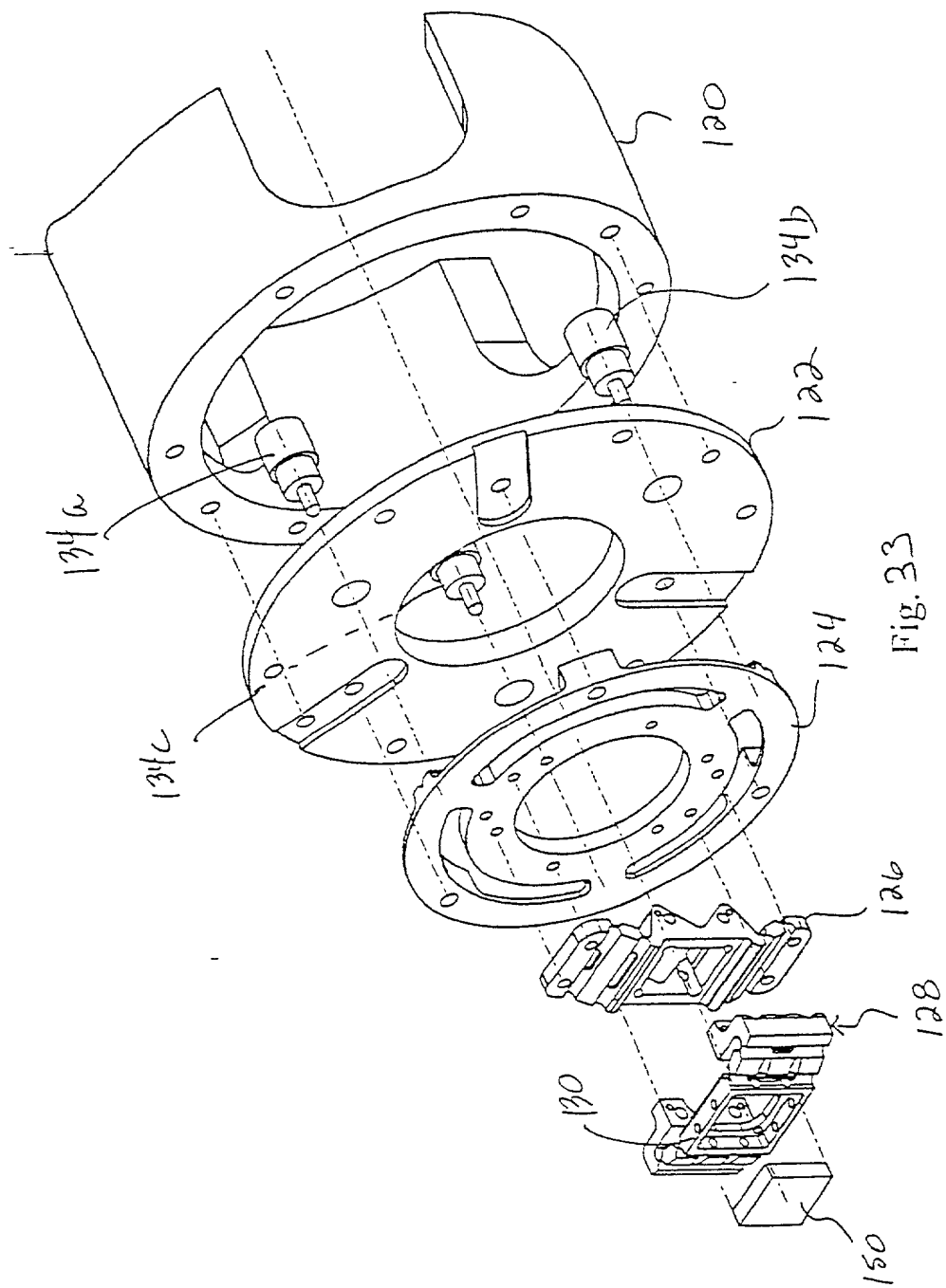


Fig. 32



Gap or thin film
samples



Broad band
spectrometer



Reflectivity data in λ
domain: $R(\lambda)$



Periodic reflectivity
data in w
domain: $R(w)$



FFT of $R(w)$



Gap or film thickness
information

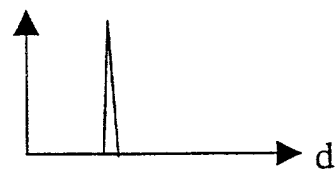
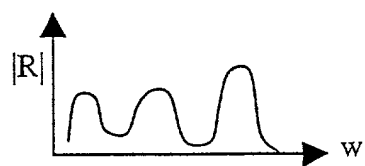
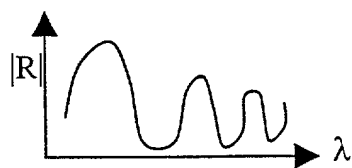


Fig. 34

1

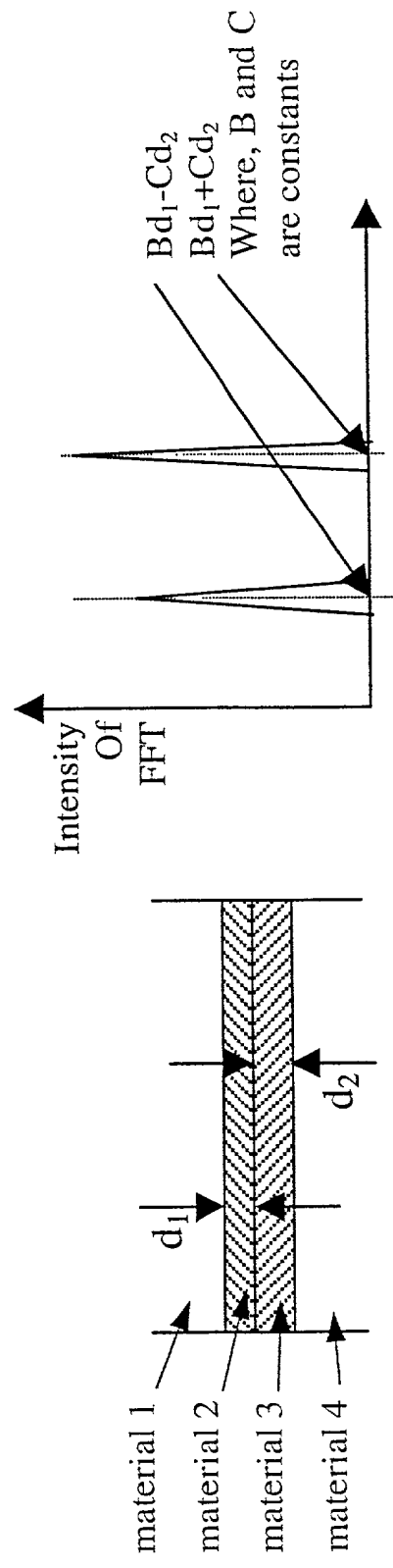
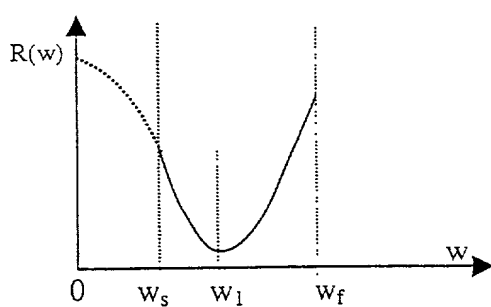
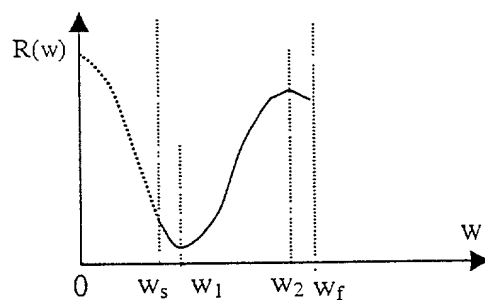


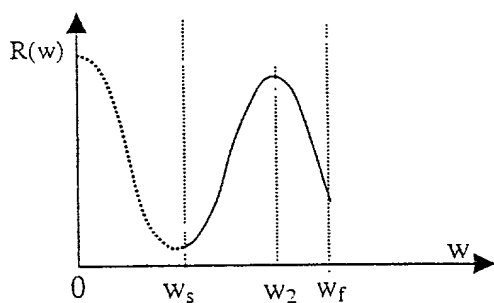
Fig. 35



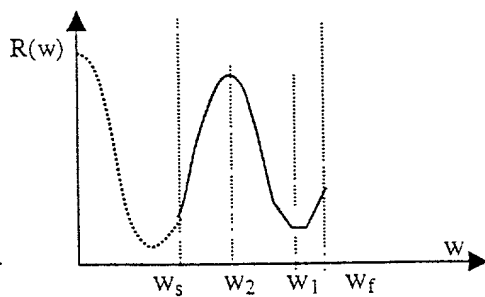
CASE 1



$w_1 < w_2$



CASE 2



$w_2 < w_1$

Fig. 36

1

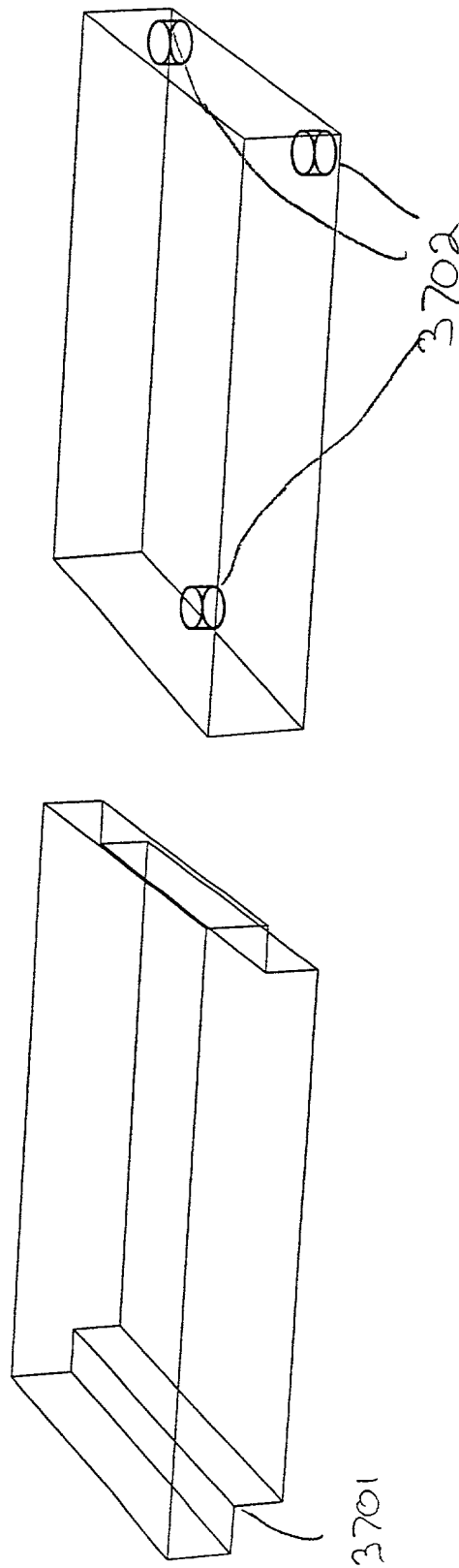


Fig. 37

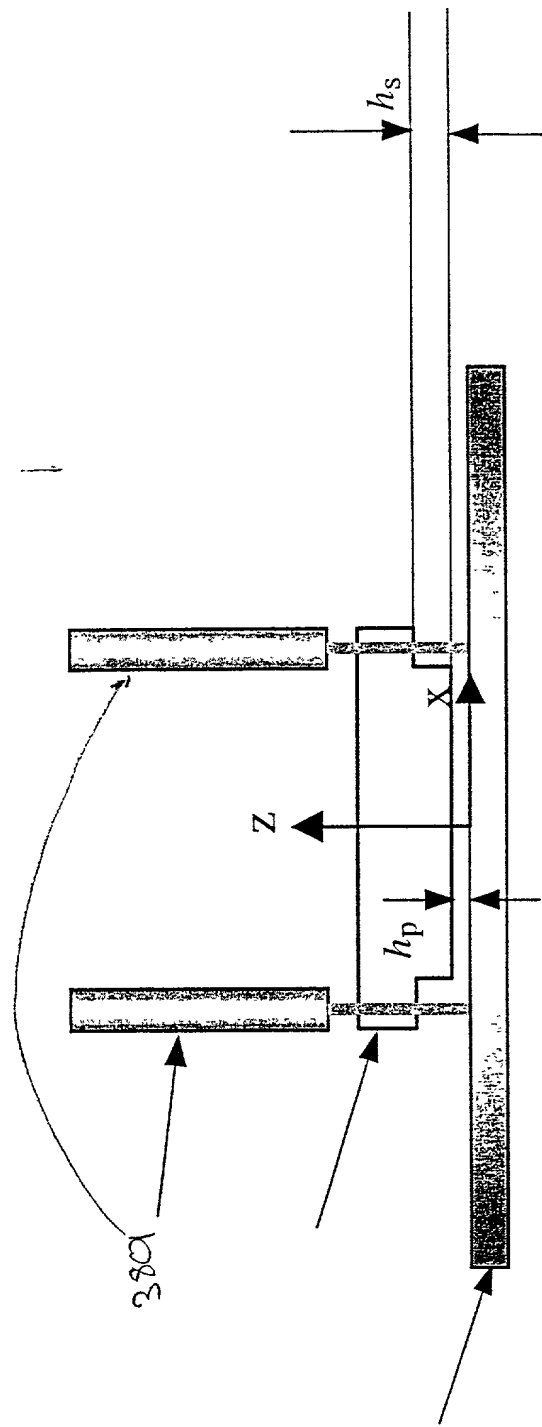


Fig. 38

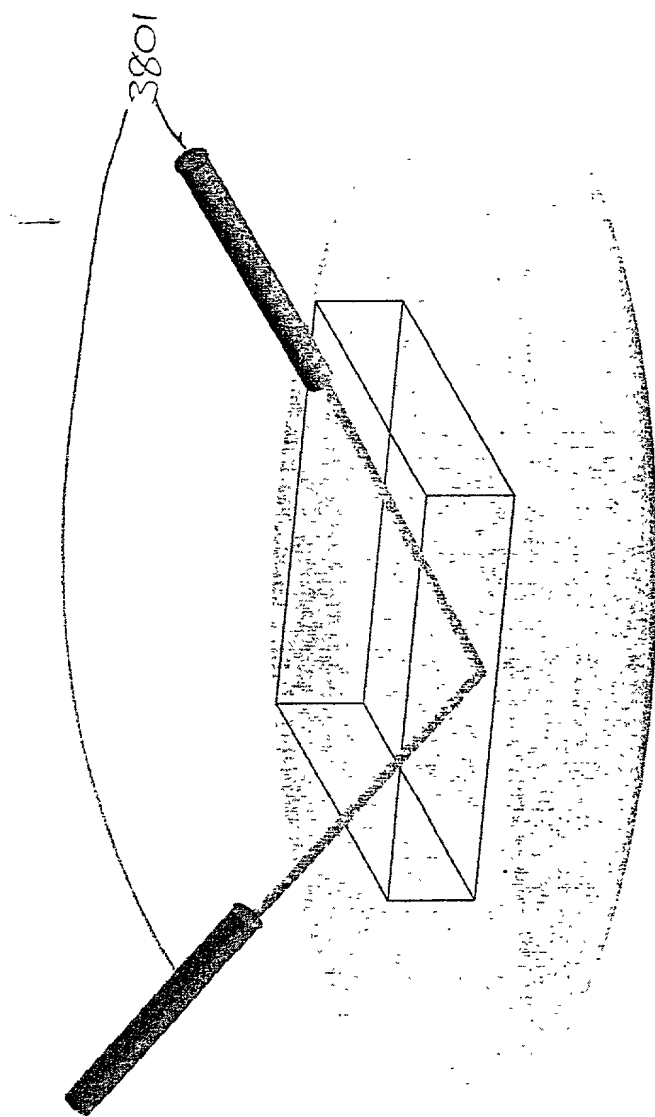


Fig. 39

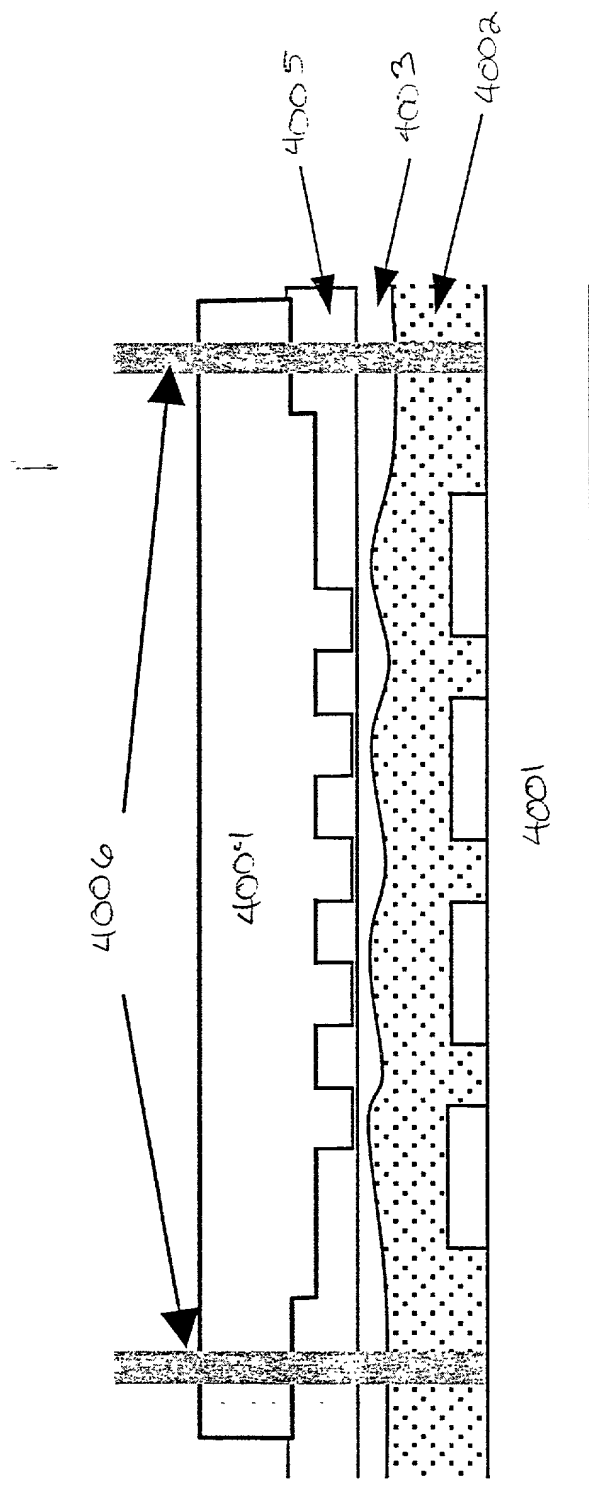


Fig. 40

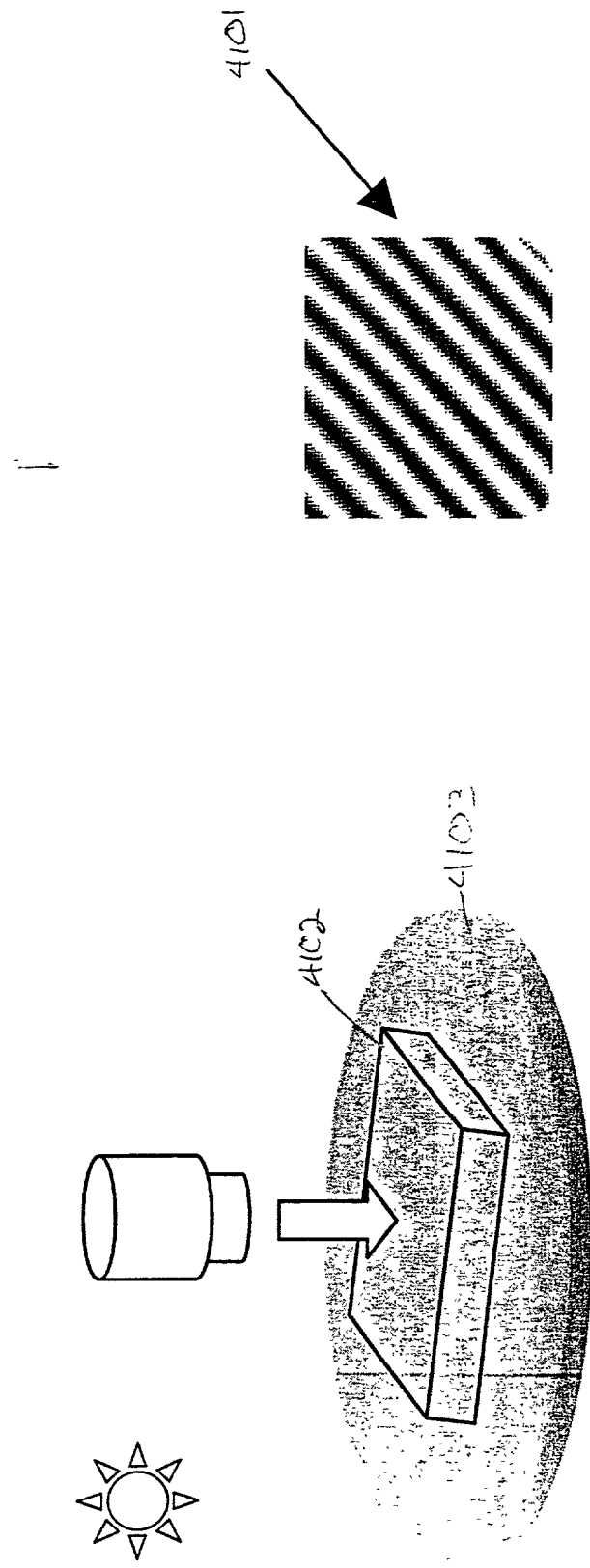


Fig. 41

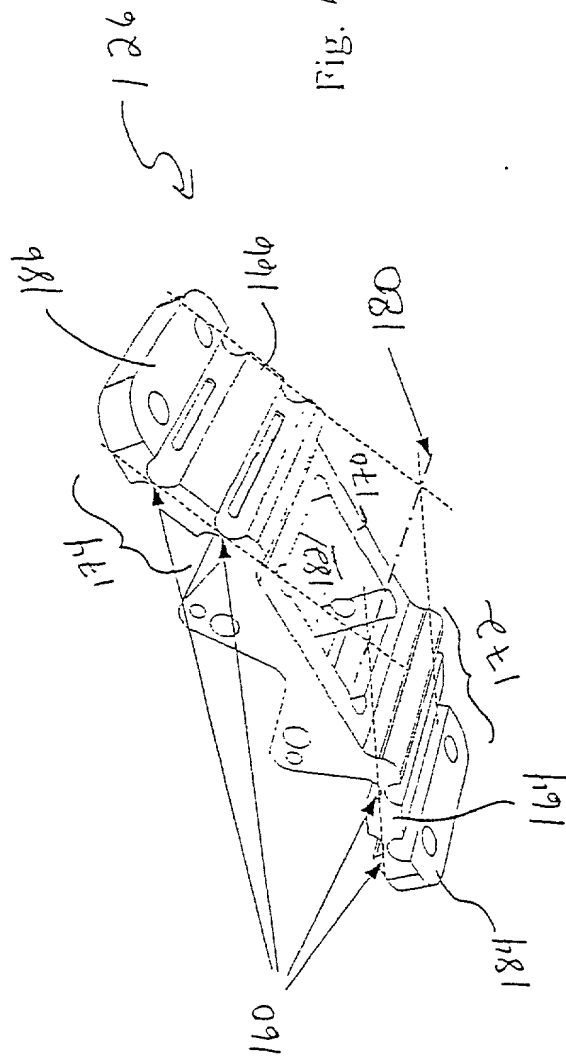


Fig. 42 A

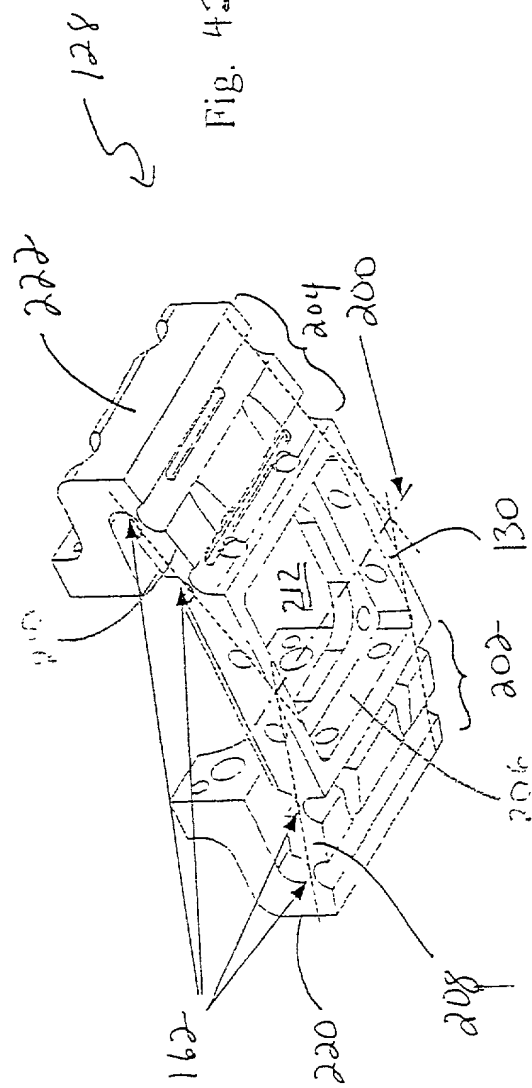
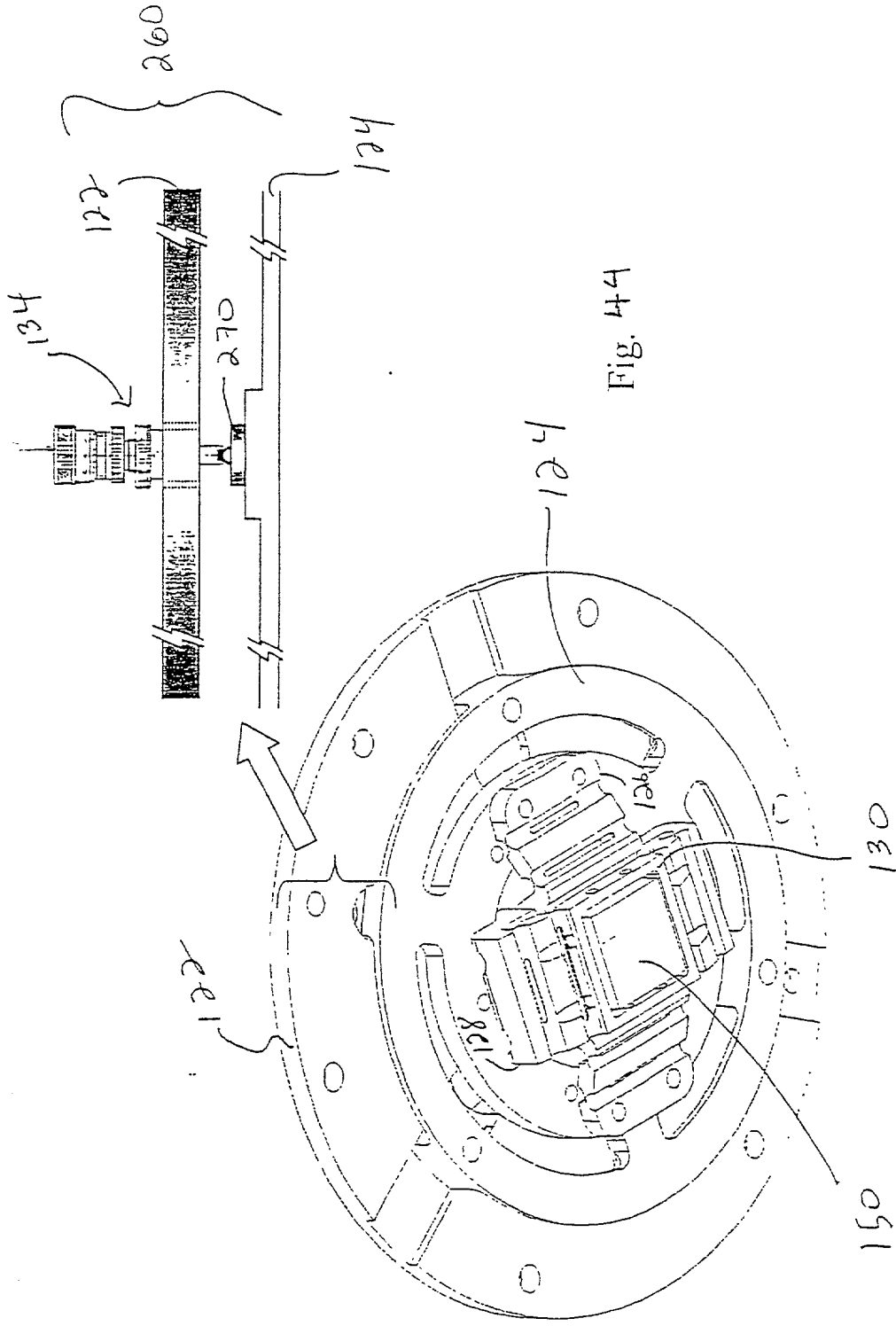


Fig. 42



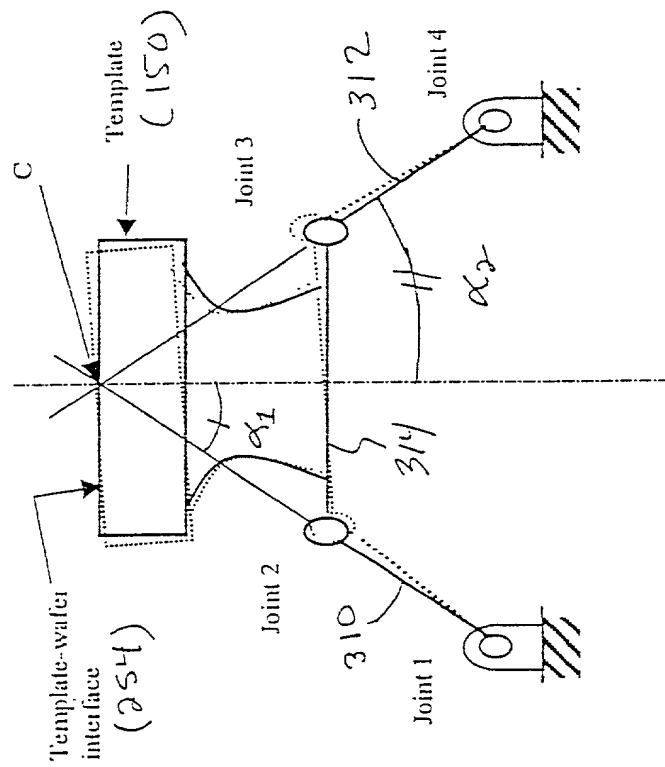


Fig. 45

1

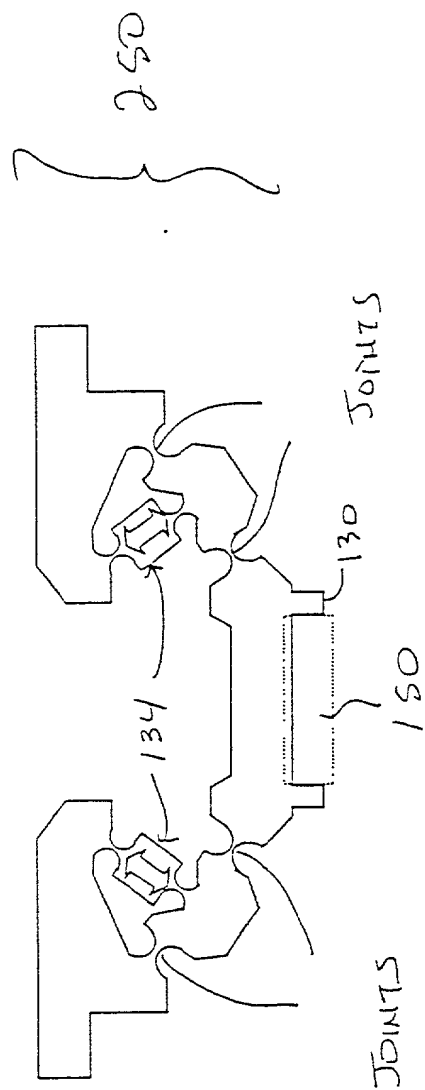


Fig. 46

1

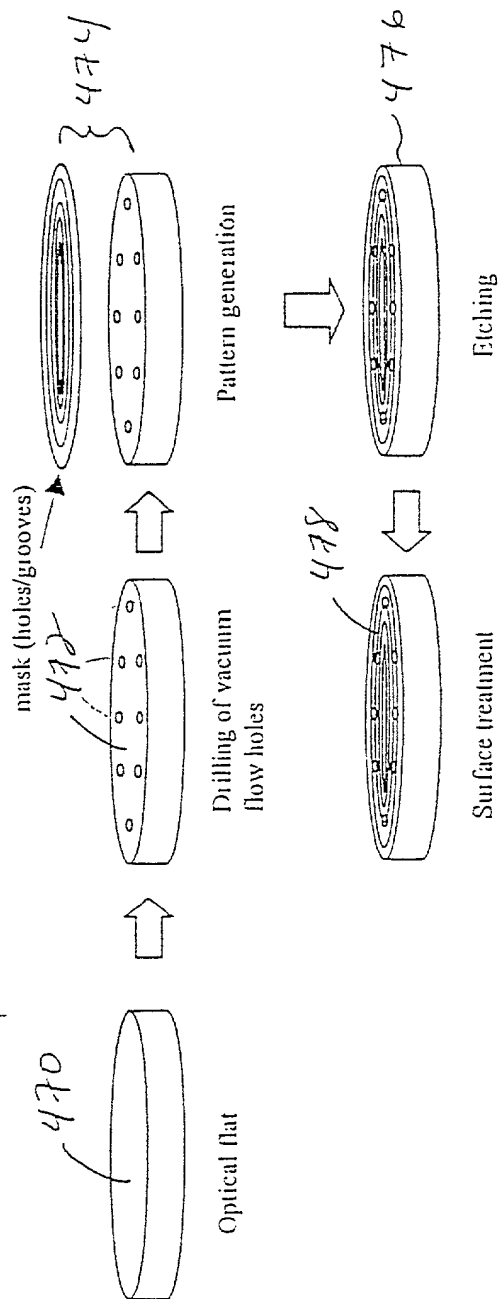


Fig. 47

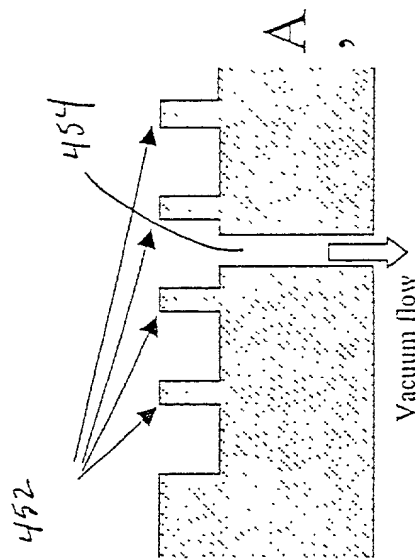


Fig. 48A

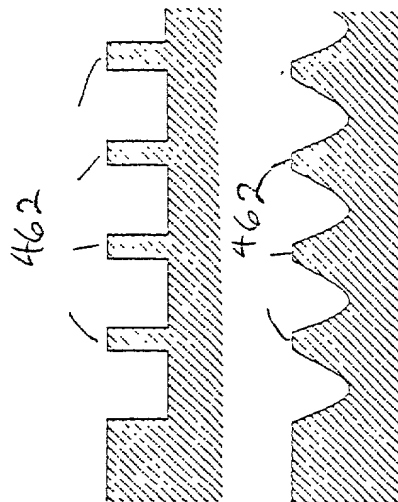


Fig. 48B

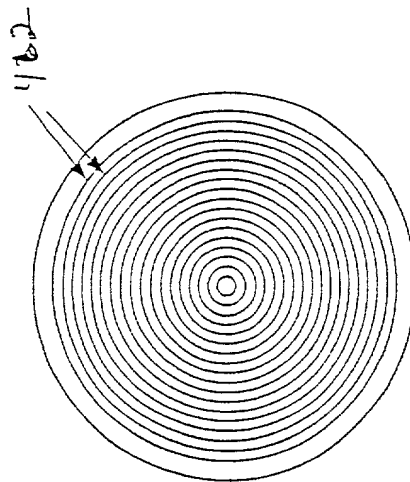


Fig. 48C

1

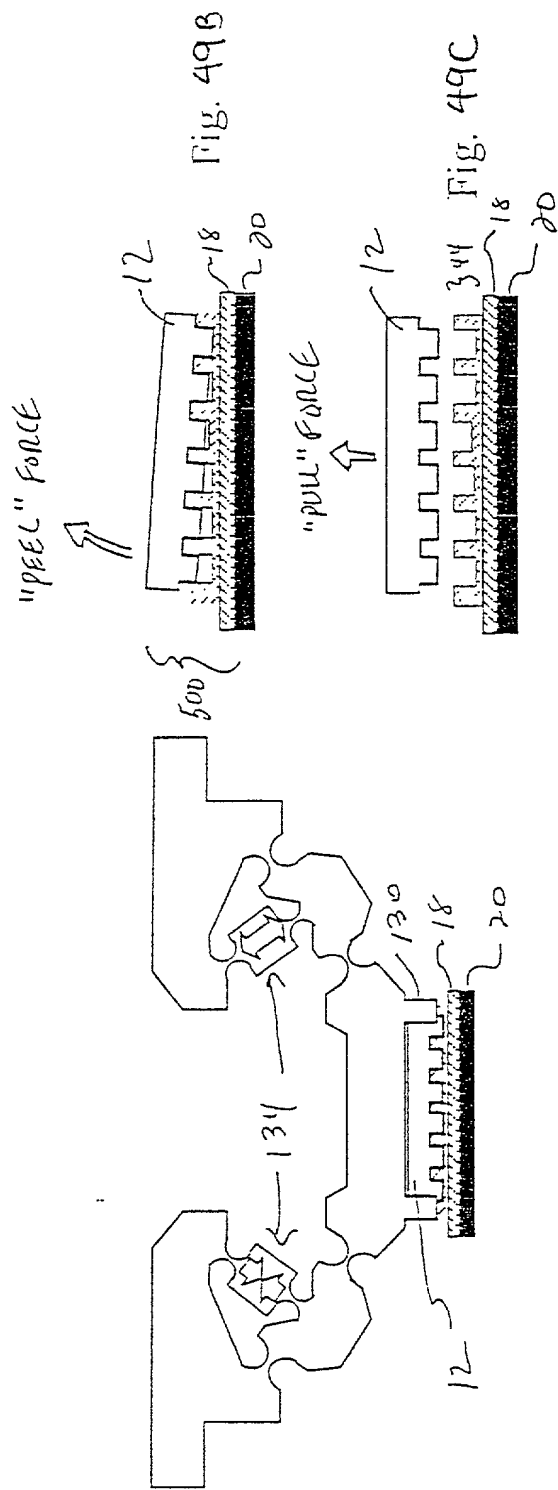


Fig. 49A

1

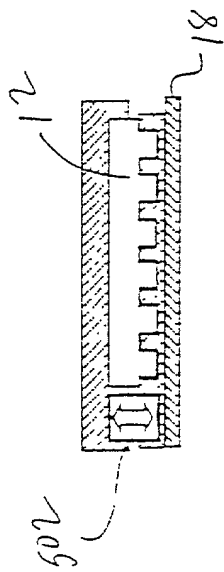


Fig. 50A

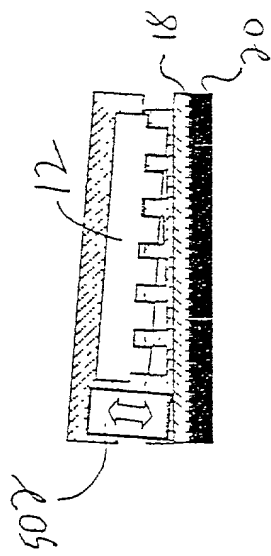


Fig. 50B

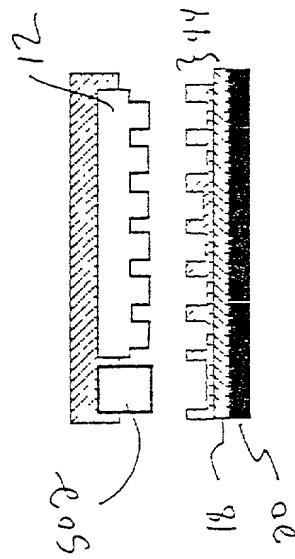


Fig. 50C

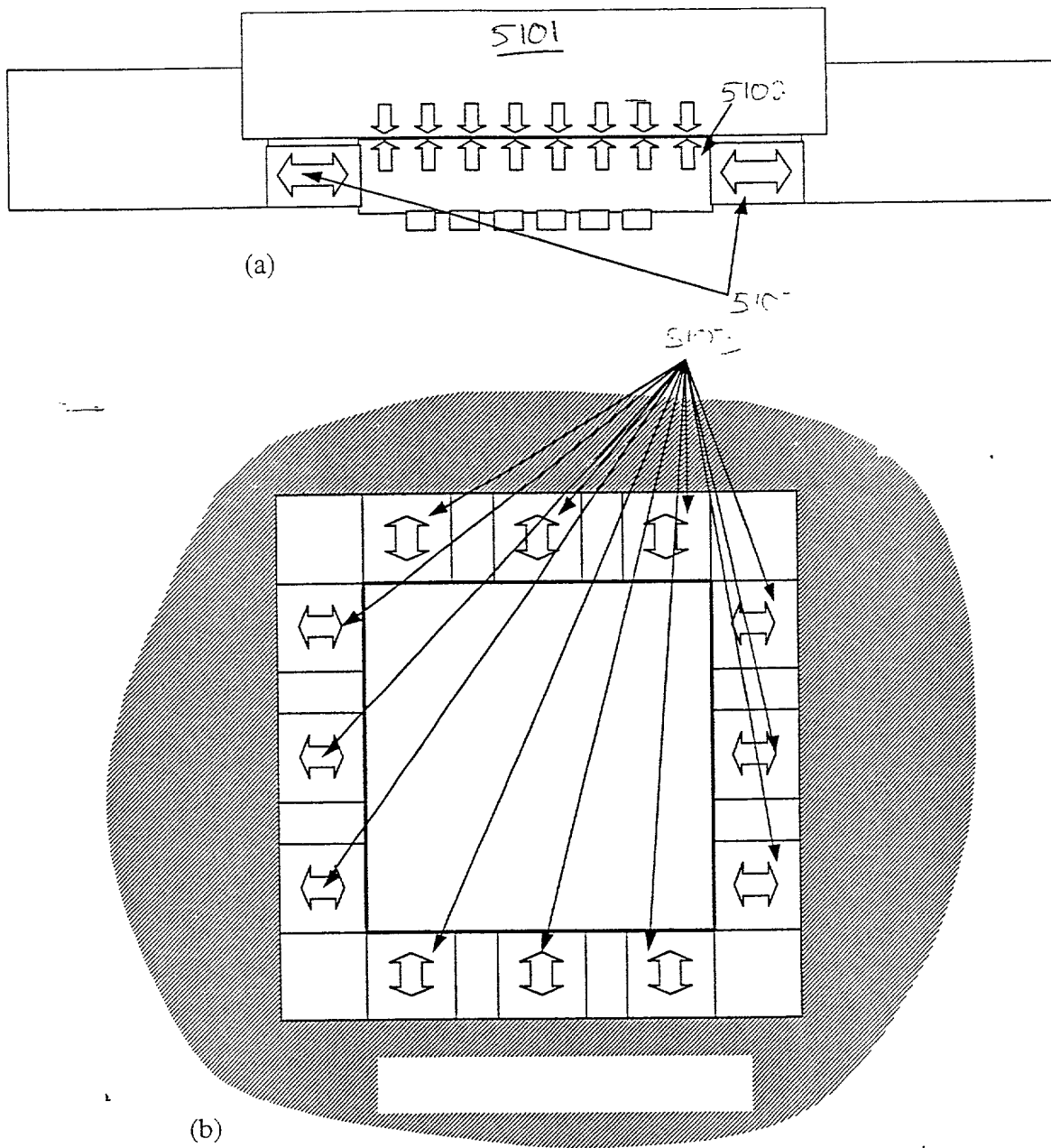


Fig. 51

1

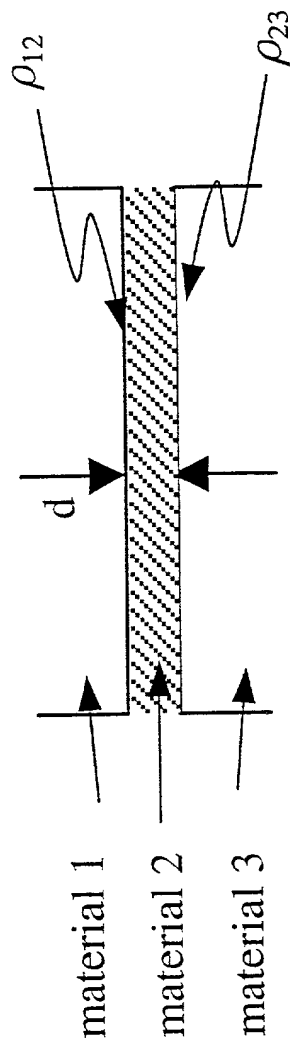


Fig. 52